



Hume Food Organics and Garden Organics Facility

Preliminary Site Investigation

Transport Canberra and City Services

2 June 2023

→ The Power of Commitment



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Executive summary

The Australian Capital Territory (ACT) Government are seeking approval for a proposed Food Organics and Garden Organics (FOGO) facility at Block 5, Section 26 Hume, ACT, off John Cory Road (the proposal). The proposed FOGO facility will involve in-vessel composting of up to 70,000 tonnes per annum (nominal average) of FOGO organic material.

The proposal is considered an Impact Track Development under Schedule 4 of the *Planning and Development Act 2007* (P&D Act), requiring the preparation of an Environmental Impact Assessment (EIS) in accordance with the Scoping Document for application number 202100005. Section 8.3.7 of the scoping document requires *an environmental assessment of potential existing contamination from previous and adjacent land uses at the development site undertaken by a suitably qualified environmental consultant*. This environmental assessment was completed through a preliminary site investigation.

The objective of this preliminary site investigation (PSI) is to evaluate:

- The potential for contamination to exist on or adjacent to the proposal site from past or present activities.
- Whether contamination (if present) poses a potentially unacceptable risk to human health and the environment.
- Provide recommendations to manage or mitigate the potential risk posed by contamination (if identified).
- Where possible, consider the suitability of the proposal site for its intended general industrial land use.

Based on the findings of this PSI, GHD considers there is a potential for contamination to be present onsite within the proposal site which will require assessment by a qualified environmental consultant including investigation of:

- Unknown fill material identified in the study area.
- Soils associated with APEC 1 and APEC 4.

The detailed site investigation should target the soils and groundwater at the proposal site to assess the risk to human health and the environment and identify any management or remediation measures required to support construction.

Should contamination be identified during the investigations, follow on works may include the preparation of a Contamination Management Plan (CMP) or Remediation Action Plan (RAP).

This report is subject to, and must be read in conjunction with, the limitations set out in Section 1.4 and the assumptions and qualifications contained throughout the Report.

Contents

Abbreviations and meaning	iv
1. Introduction	1
1.1 Overview	1
1.1.1 Approval and assessment requirements	1
1.1 Proposal location	1
1.2 Objectives	1
1.3 Scope of work	2
1.4 Limitations	2
2. Site setting	3
2.1 Site identification	3
2.2 Site inspection	3
2.3 Environmental setting	4
2.3.1 Topography	4
2.3.2 Soils and landscapes	4
2.3.3 Hydrology	5
2.3.4 Geology	5
2.3.5 Hydrogeology	5
3. Site history	6
3.1 Historical aerial photographs	6
3.2 Other potential sources of contamination and pertinent information	7
3.3 Environmental Protection Authority (EPA) record for the Former site	8
3.4 Summary of site history	8
4. Preliminary conceptual site model	9
4.1 Areas of potential environmental concerns	9
4.2 Potential receptors	9
4.2.1 Human receptors - Human health	9
4.2.2 Ecological receptors	9
4.3 Potential exposure pathways	9
4.4 Potential Source-Pathway-Receptor linkages	10
5. Conclusions and recommendations	11
6. References	12

Table index

Table 2.1	Proposal site information summary	3
Table 2.2	BoM five boreholes closest to the proposal site	5
Table 3.1	Review of historic aerial photography	6
Table 3.2	Other potential sources of contamination	7
Table 4.1	List of AEPCs	9
Table 4.2	Preliminary CSM	10

Appendices

Appendix A	Figures
Appendix B	Lotsearch report
Appendix C	Site visit images
Appendix D	EPA letter

Abbreviations and meaning

Abbreviations	Meaning
ACM	Asbestos Containing Material
ACT	Australian Capital Territory
AHD	Australia Height Datum
APEC	Areas of Potential Environmental Concerns
AST	Above-ground Storage Tanks
BoM	Bureau of Meteorology
CSEPP	Contaminated Sites Environment Protection Policy
DBYD	Dial-before-you-dig
DSI	Detailed Site Investigation
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
EPA	Environment Protection Authority
EPSDD	Environment, Planning and Sustainable Development Directorate
FOGO	Food Organics and Garden Organics
GHD	GHD Pty Ltd
HGL	Hydrogeological Landscape
IZ1	General Industry
MRF	Materials Recovery Facility
NSW	New South Wales
OCP	Organochlorine pesticides
OPP	Organophosphate pesticides
PCB	Polychlorinated biphenyl
PFAS	Per- and poly-fluoroalkyl substances
PSI	Preliminary Site Investigation
PVC	Polyvinyl Chloride
RAP	Remediation Action Plan
UST	Underground Storage Tanks

1. Introduction

1.1 Overview

The Australian Capital Territory (ACT) Government is working to reduce waste to landfill and increase resource recovery. The strategic direction for the management of waste in the Territory is set out in the 'ACT Waste Management Strategy 2011-25' (ACT Government, 2011). The strategy commits the ACT Government to minimise organic waste going to landfill and recovering organic waste resources. It also sets a target of increasing the rate of resource recovery to over 90 percent by 2025, with no recoverable waste sent to landfill.

The Federal Government also has a target of halving the amount of organic waste sent to landfill for disposal by 2030, as set out in the 'National Waste Policy Action Plan' (DCCEEW, 2019).

A waste feasibility study was established in mid-2015 to identify a pathway towards achieving the ACTs waste management targets and examine options to drive better resource recovery. In 2018, the ACT Government released the final recommendations from the study as the 'Waste Feasibility Study: Roadmap and Recommendations Discussion Paper' (ACT NoWaste, 2018). Key recommendations from this were to identify a site and establish an organics progressing facility to process food organics and garden organics (FOGO) and the implementation of a kerbside FOGO collection.

The 'ACT Climate Change Strategy 2019 to 2025' (ACT Government, 2019) also identifies FOGO collection for all households and the investigation of organic waste processing as key priorities. An opt-in FOGO collection pilot is currently underway in the ACT (Belconnen), which has so far diverted more than 480 tonnes of material from landfill (ACT Government, 2022).

There is currently no processing facility within the ACT that can accept and process FOGO material. ACT NoWaste is therefore proposing to develop a new FOGO facility (the 'proposal') in Hume to strengthen the Territory's circular economy and help meet Territory and Federal Government landfill diversion and resource recovery targets.

The proposal is defined as the construction and operation of a new FOGO facility with the capacity to receive up to 70,000 tonnes per year of FOGO for in-vessel composting.

1.1.1 Approval and assessment requirements

This report has been prepared by GHD Pty Ltd (GHD) as part of the environmental impact statement (EIS) for the proposal. The EIS supports the application for approval of the proposal and to address the requirements provided by the ACT Department of Environment, Planning and Sustainable Development Directorate dated 7 June 2022.

The proposal is subject to approval by the planning and land authority within the Environment, Planning and Sustainability Development Directorate.

1.1 Proposal location

The proposal is situated on Block 5, Section 26 Hume, off John Corey Road on Territory Land in the ACT. The proposal site is located in proximity to a number of industrial facilities. ACT Skip Hire is on the adjacent block to the south. Further south on John Cory Road the Soft Landing Mattress Recycling facility is located. The Mugga Lane Landfill is located approximately 200 metres (m) northwest of the proposal site.

Figure 1 shows the site proposed for the FOGO facility, including a preliminary proposal site boundary configuration to accommodate these operations (subject to detailed design and final vendor process selection). In total, this area comprises approximately 4.3 hectares (ha) of land.

1.2 Objectives

The objective of the PSI is to evaluate:

- The potential for contamination to exist on and adjacent to the proposal site from past or present activities.

- Whether contamination (if present) poses a potentially unacceptable risk to human health and the environment.
- Provide recommendations to further investigate, manage and / or mitigate the potential risk posed by contamination (if identified).
- Where possible, consider the suitability of the proposal site for its intended general industrial land use as a food and garden organic waste facility.

1.3 Scope of work

The PSI has been completed in general accordance with the ACT Government's *Information Sheet 7 - Guidance for undertaking preliminary contamination investigations for development/lease variation purposes* (ACT Government, 2020). To support the investigation GHD acquired a Lotsearch report which consolidates many of the environmental searches (a copy is presented in Appendix B):

- Review of historic aerial photographs.
- Contaminated Land Search of records held by the EPA (copy provided in Appendix B).
- Search of groundwater bore records.
- Review of current and former uses of the proposal site through desk-based searches and a site visit.
- Review of dangerous substances storage at the proposal site.
- A site inspection.
- Review of soils, geology, hydrology, hydrogeology, and borehole logs.

On review of the available data the report includes the:

- Preparation of a preliminary conceptual risk assessment.
- Provision of conclusions and recommendations (as required) in the context of redevelopment of the proposal site.

This assessment report has been prepared in general accordance with the guidelines endorsed by the EPA as detailed in the *Contaminated Sites Environment Protection Policy* (CSEPP) (ACT Government, Contaminated Sites Environment Protection Policy (CSEPP), 2020) made under the *Environment Protection Act 1997*.

1.4 Limitations

This report: has been prepared by GHD for Transport Canberra and City Services and may only be used and relied on by Transport Canberra and City Services for the purpose agreed between GHD and Transport Canberra and City Services as set out in Section 1.3 of this report.

GHD otherwise disclaims responsibility to any person other than Transport Canberra and City Services arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report (refer Section 5 of this report). GHD disclaims liability arising from any of the assumptions being incorrect.

2. Site setting

2.1 Site identification

A summary of the proposal site information is provided in Table 2.1. The location layout is shown in Figure 1 and Figure 2, Appendix A.

Table 2.1 Proposal site information summary

Address	6 Recycling Road, Hume, ACT 2620
Block and Section	HUME: Block 5 Section 26
Current Land Use	A large proportion of the proposal site is vacant. There is a fenced area on the southern boundary (approximately 3,000 m ²) that is used to store vehicles and was not accessible during the site walkover.
Size m²	42,957 (Reference source: https://actmap.act.gov.au)
Land Zoning	IZ1: General Industry
Immediate Surrounds	The proposal site borders: – North: Surface water drainage line (Dog Trap Creek) and retention basin – South: Recycling Road and, across the road, the Materials Recovery Facility – East: John Cory Road and farmland – West: Mugga Lane landfill
Broad description of location	– The proposal site is located to the north of the Monaro Highway in an industrial and rural area located approximately 12.5 km south of Canberra City. – West of the proposal site is Mugga Lane landfill which includes a number of surface water and leachate management dams. – South of the proposal site is Mugga Lane Solar Park, ACT Skip Hire and Soft Landing Mattress Recycling. – The proposal site has previously been utilised as a materials recycling facility with recycled material treated and stored at the site.

2.2 Site inspection

An experienced Environmental Scientist from GHD undertook a site inspection on 27 April 2022. Photographs taken during the site inspection, as referenced below, are provided in Appendix C.

In summary, the following observations were made:

- Most of the proposal site was vacant with a fenced off hardstand area in the south-eastern portion of the site. This area, approximately 300 m², was surrounded by a green Colourbond fence. The area within the fence was used to store vehicles and was not accessible for closer inspection.
- Grasses cover the majority of the northern portion of the proposal site.
- One stockpile of soil was observed on the north-eastern boundary. The stockpile was not wholly on the proposal site and was approximately one metre in height and approximately 260 m³ in volume (refer to Photograph 2, Appendix C). This stockpile is associated with the APEC 2 in the eastern portion of the site.
- A naturally formed rocky outcrop is located adjacent to the south-eastern boundary.
- Approximately 100 metres of PVC pipe has been left or discarded across the proposal site. There were no olfactory or visible evidence of contamination associated with the pipe.
- A gravel path runs roughly north-east to south-west adjacent to the northern-most proposal site boundary.
- An approximate area of 360 m², located around the centre of the proposal site, contained patches of remnant plastic waste, within the grass cover. This has been identified as APEC 4.

- One soil stockpile was observed adjacent to the south-western boundary, and under a remnant eucalyptus tree that is north of the car storage area. It was approximately one metre in height, with a volume of approximately 40 m³.
- One stockpile was observed along the northern fence line of the car storage area, adjacent to the stockpile mentioned above. It was approximately one metre in height and had a volume of approximately 140 m³. This stockpile and the aforementioned are associated with the APEC 2 in the western portion of the proposal site.
- To the east of the proposal site (along John Cory Road) is a vehicle turnaround area.
- There were a number of blackberry thickets across the proposal site, which obscured visual inspection of those areas.

During the site walkover there was no access to the fenced area on the western edge of the proposal site (a vehicle storage area) or the fenced area in the north-western portion of the site near Dog Trap Creek. As such, ground observations for these areas were not made.

In addition to the above the following observations were made:

- Underground / above ground storage tanks (UST / ASTs): No underground ground storage tanks were observed or known to be present on site.
- Chemicals / Oils / Greases: No chemicals, oils or greases were observed or known to be present on site.
- Polychlorinated biphenyls (PCB's): No substations were observed or known to be present on site.
- Waste management: No waste management activity is currently being undertaken on the proposal site. Historical aeries indicate the proposal site may have been used as a storage area for recycled materials of unknown origin (see Appendix B and Appendix D). Additionally, the Mugga land landfill is located approximately 70 m north-west of the proposal site which is registered on the National Waste Management Site database. The adjacent property is subject to an Environmental Authorisation under the EPA Act. The Authorisation is associated with the property to the south of the proposal site for the 'Operation of waste transfer (Activity 48) Re-Cycle Operations (Canberra) Pty Ltd'.
- Surface Water: The northern most portion of the proposal site contains a stormwater/drainage easement that flows off to the east of the site into a dam just north of the property.
- Foul Water: Foul water was not observed on-site. It is noted that a sewer easement runs parallel to the northern proposal site boundary for approximately 59 m.
- Asbestos containing material (ACM): No ACM was observed on the ground surface at the time of the walkover. However, the proposal site is covered by long grass making it hard to provide a clear assessment of the sites surface.

2.3 Environmental setting

Information provided in the following section has been obtained from the Lotsearch Report (Appendix B) and available mapping as referenced in the text below.

2.3.1 Topography

The proposal site area varies between 611 – 614 metres Australia Height Datum (AHD), according to topographic data from the EPSDD. The regional topography is mostly flat in the southern area with a slight fall from south to north. The northern area has a relatively steep incline (maximum elevation 730 m AHD) on the northern buffer boundary.

2.3.2 Soils and landscapes

According to the Atlas of Australian Soils (CSIRO, 2011) the proposal site is within the Williamsdale Landscape. This unit is characterised by Kandosols which are associated with yellow leached earths in intermediate drainage areas and hard neutral and/or alkaline yellow mottled soils in poorly drained areas. Within the one-kilometre site buffer the Disturbed Terrain Landscape is present in the north-west area and the Burra landscape in the northern buffer. Sodosol soils are present in the western area of the report buffer.

According to the Atlas of Australian Acid Sulfate Soils the acid sulphate soils class in the proposal site area is Class C and the works would have an extremely low probability of encountering acid sulphate containing soils (CSIRO, Atlas of Australian Acid Sulfate Soils, 2011). Approximately 400 m west of the proposal site the soils are Class B soils are present with a low probability of encountering acid sulphate containing soils.

2.3.3 Hydrology

Surface water is expected to follow the local topography and generally flow northwards.

There is a small dam located north of the proposal site, between the creek and the site boundary. Run-off from the proposal site is expected to flow out of the north and north-eastern boundary of the site and then flow westwards into the dam, based on natural topography.

There is a natural creek, Dog Trap Creek, located to the north of the proposal site (the closest point being approximately 25 m) which is a tributary of Jerrabomberra creek which lies approximately 3 kilometres to the north-east of the site. This flows into a small dam 500 m downstream of the proposal site and then branches off into small drainage networks in Gilmore Paddocks. This system is part of the Jerrabomberra Creek Catchment (ACT Government, 2018) . The northern most corner contains a stormwater/drainage easement that flows off site to the east into a dam just north of the property.

Dial before you dig (DBYD) underground utilities search found that abandoned sewer mains run through the northern area of the proposal site and inline storage runs around the perimeter of the site block (partially entering the site in the north-west corner). Along the inline storage there are active and decommissioned holes.

A reticulation water main runs along John Corey Road to the south of the proposal site.

2.3.4 Geology

The 1:100,000 scale Canberra geological map (Abell, 1992) indicated the proposal site is situated on Silurian aged Deakin Volcanics – Rhyodacitic ignimbrite and minor volcanoclastic and argillaceous sediments.

2.3.5 Hydrogeology

The proposal site and surrounding area is located on extensive fractured or fissured aquifers described to have low to moderate productivity. The proposal site is on Symonston Hydrogeological Landscape (HGL) which is characterised by low land salinity and moderate salt store and mobility.

There are no ACT Government boreholes on site or within the report buffer. There are 32 boreholes owned by the Bureau of Meteorology (BoM) within the report buffer however none within the proposal site boundary. The five closest boreholes are shown in Table 2.2.

Table 2.2 BoM five boreholes closest to the proposal site

State Bore ID	Purpose	Depth to groundwater (m)	Drilled Depth (m)	AHD (m)	Distance from proposal site
620	Unknown*	Unknown*	5.67	619.37	200m SE
631	Unknown*	Unknown*	4.58	620.39	350m SE
630	Unknown*	Unknown*	5.17	620.60	420m SE
619	Unknown*	Unknown*	6.84	620.40	580m SE
627	Unknown*	Unknown*	5.85	606.13	710m NE
*Information could not be found on BoMs Australian Groundwater Explorer (BoM, 2022)					

3. Site history

3.1 Historical aerial photographs

A selection of aerial photographs was examined in order to ascertain past activities and land uses at the proposal site. The years examined were 1944, 1961, 1967, 1976, 1978, 1981, 1985, 1992, 1997, 2004, 2009 and 2017. A review is shown in Table 3.1.

Extracts are provided in Appendix B and a current aerial photograph of the proposal site location is also provided in Appendix A.

Table 3.1 *Review of historic aerial photography*

Year	Observations
1944	Proposal site was undeveloped. Grassland with scattered trees.
1961	Proposal site remained unchanged.
1967	Proposal site remained undeveloped. Grassland with scattered trees. Evidence of sewage line installation at the North perimeter.
1976	Proposal site remained unchanged.
1978	Proposal site remained unchanged.
1981	Proposal site remained unchanged.
1985	Proposal site remained undeveloped. Grassland with scattered trees. Dirt road evident transecting east to west.
1992	Proposal site remained unchanged.
1997	Proposal site remained unchanged.
2004	The current materials recovery facility (MRF) was constructed to the south of the proposal site. The south-eastern portion of the proposal site has been disturbed, with earth works evident. This portion of land appeared to be built up with imported fill, possibly associated with the construction of the MRF. An access road was constructed north to south, across the site.
2009	The central portion of the proposal site was being used to stockpile waste, possibly associated with the materials recovery facility.
2017	The waste stockpiles and scattered waste were no longer present. South-western portion of the proposal site was used to store vehicles on a hardstand area. Grass covered the area where waste debris was previously identified. The Soft Landing Mattress recycling facility was constructed to the south.

The immediate surrounds of the proposal site are undeveloped and consist of grassland with scattered trees. In 1967, there evidence of sewage line installation north of the proposal site. The proposal site surroundings remain unchanged until 1992, when a small dam is developed just south-west of the site buffer. In 2004, an industrial shed with hardstand car parking area is south-west of the proposal site boundary within the buffer zone. A roundabout has been added to Mugga Lane to allow access into the proposal site. In 2009, there were no changes to the surrounds. In 2017, an industrial shed with carpark hardstand had been developed (now Soft Landing Mattress Recycling-ACT) to the south and a solar farm (now Mugga Lane Solar Park) across Mugga Lane to the south-west.

The historical aerial photographs show that the proposal site remained undeveloped until 2009, when it was likely used as a recycling facility with recycled material treated and stored at the site. It can be observed in the imagery that unknown material was stored on site while in this use. By 2017 the proposal site was no longer operational, and the site was cleared. It now consists of mostly grasslands.

3.2 Other potential sources of contamination and pertinent information

The following information presented in Table 3.2 was obtained from the Lotsearch report (Appendix B), ACT EPA (Appendix D) and /or from publicly available information including ACT EPA and ACT Planning & Environment websites.

Table 3.2 Other potential sources of contamination

Potential Sources	Notes	Information Source
Land use designations	The proposal site and surrounding area are located within the suburb of Hume in the District of Jerrabomberra. The proposal site's designated Land Use Zone is General Industry (IZ1) as well as the surrounding areas except Mugga Lane landfill site to the south which is zoned as Broadacre.	ACTmapi
Contaminated land register	The block is recorded on the EPA's contaminated sites management database and geographic information system. This is due to the historic use as a materials recycling facility and the close proximity to Mugga Lane Landfill due to the ability of contaminants to migrate through the environment.	EPA
Landfilling / Recycling / waste management	Mugga Lane Landfill is located approximately 60 m to the northwest of the proposal site.	EPA
PFAS investigations	No PFAS investigations have been identified associated with the proposal site.	Defence PFAS Investigation and Management Program Airservices Australia National PFAS Management Program
EPA Authorised activities	There are two businesses that hold current authorisations to conduct EPA Authorised Activities within 100 m of the proposal site. - Re-Cycle Operations (Canberra) Pty Ltd located on Block 3, Section 26, (adjacent to the proposal site on the southern perimeter) for operation of waste transfer. - ACT NoWaste located on Block 2114 and 2247 (66 m north-west of the proposal site) for the placement of soil on land.	EPA
Former EPA Authorised activities	There are thirteen former licenced activities within 500 m radius of the proposal site. - Visy paper Pty Ltd located 160 m southeast. Waste storage – other types of waste, recovery of general waste and non-thermal treatment of general waste. - Ecolab Pty Ltd located 410 m south-west. Waste storage – hazardous, restricted solid, liquid, clinical and related waste and asbestos waste, general chemical storage, chemical storage waste generation, container reconditioning, toxic substances production, non-thermal treatment of liquid waste, chemical production waste generation, dangerous goods production and contaminated soil treatment. - Lurhmann environment management Pty Ltd located 450 m north-west. Other activities / non-scheduled activity – application of herbicides. - Robert Orchard located 450 m north-west. Other activities / non-scheduled activity – application of herbicides. - Sydney weed & pest management Pty Ltd located 450 m north-west. Other activities / non-scheduled activity – application of herbicides.	

3.3 Environmental Protection Authority (EPA) record for the Former site

The letter received from the EPA is attached in Appendix D.

The EPA has not issued any orders of assessment or remediation under Sections 91C (1) or 91D (1) respectively, environment protection orders under sections 125 (2) or (3), requested an audit under Section 76 (2) or received an audit notification under Section 76A (1) of the Environment Protection Act 1997 (the Act) over the site and as a result the proposal site is not recorded on the Register of contaminated sites under Section 21A of the Act.

3.4 Summary of site history

Based on the review of proposal site history information, the site activities in the past (i.e. material recycling) have a potential to contaminate soil and / or groundwater.

4. Preliminary conceptual site model

4.1 Areas of potential environmental concerns

Based on review of historical aerial photography, information from the Lotsearch reports, publicly available resources and proposal site walkover on 27 April 2022, areas of potential environmental concerns (APECs) have been identified and included in Table 4.1, and shown in Figure 3 in Appendix A.

Table 4.1 List of APECs

AEPC ID	AEPC details	Relation to the site	Risk ranking
1	Vehicle storage area / historic waste storage area	Within the proposal site boundary	High
2	Uncontrolled fill stockpiling	Within the proposal site boundary	Moderate
3	Uncontrolled fill	Within the proposal site boundary	Low
4	Historic waste recovery facilities storage activities	Within the proposal site boundary	High
5	Mugga Landfill site	Outside the proposal site boundary	High

4.2 Potential receptors

4.2.1 Human receptors - Human health

The proposal site and surrounding land uses are industrial land uses.

The proposal site will be used for continued commercial/industrial land use as a FOGO facility. The proposal site and surrounding areas are also commercial and industrial land uses. The following potential human health receptors have been identified:

- Construction workers of FOGO facility.
- Future FOGO facility workers including maintenance workers and proposal site visitors.

4.2.2 Ecological receptors

Ecological receptors include aquatic ecosystems located within the creek to the north and the dam to the north-east.

4.3 Potential exposure pathways

The primary potential pathways by which receptors could be exposed to potential sources of contamination within the proposal site are considered to be:

- Direct contact or inhalation with contaminated soil, fill materials or groundwater.
- Vapour inhalation.
- Ingestion of soils and dust.
- Direct contact with groundwater.
- Migration of groundwater towards down gradient receptors.
- Discharge of groundwater to surface water bodies.

4.4 Potential Source-Pathway-Receptor linkages

Based on the current information, a preliminary Conceptual Site Model (CSM) has been developed as presented in Table 4.2. The CSM shows the source-pathway-receptors linkages identified for the study area and a discussion on where they are likely to be complete.

Table 4.2 Preliminary CSM

Sources	Analytes	Pathway	Receptor	Potentially complete?
On site (within the proposal site boundary) – APEC 1: Vehicle storage area / historic waste storage area – APEC 2: Uncontrolled fill stockpiling – APEC 3: Uncontrolled fill – APEC 4: Historic waste recovery facilities storage activities	– Asbestos containing material (ACM) – Heavy metals (including arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc) – Organochlorine pesticides (OCP) – Organophosphate pesticides (OPP) – Polychlorinated biphenyls (PCB) – Petroleum hydrocarbons including TRH, BTEX, PAH, Phenols	Direct contact or inhalation with contaminated soil, fill materials or groundwater. Vapour inhalation. Ingestion of soils and dust. Direct contact with groundwater. Migration of contaminated groundwater of offsite. Discharge of groundwater to surface water bodies. Vapour inhalation.	FOGO facility construction workers Future FOGO facility workers Ecological receptors Aquatic ecological receptors	Possible
Off site (outside the proposal site boundary) APEC 5: Mugga landfill site	– Heavy metals (including arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc) – OCP – OPP – PCB – TRH, BTEX, PAH, Phenols – Nutrients – Dissolved methane – Methane – Carbon dioxide			

5. Conclusions and recommendations

In accordance with the objectives detailed in Section 1.3, and based on the information contained within this assessment, the following findings were found in regard to the proposal site (subject to the limitations outlined in Section 1.4).

Based on the findings of this PSI, GHD considers there is a potential for contamination to be present onsite within the proposal site, as detailed in Table 5.1.

Table 5.1 *Potential contamination within the proposal site boundary*

Potential contamination	APEC
Vehicle storage area / historic waste storage area.	APEC1
Stockpiles of fill materials within proposal site boundary of unknown origin and quality.	APEC2
Fill materials in the study area of unknown origin and quality.	APEC3
Historic waste storage activities.	APEC 4

GHD recommend a detailed site investigation (DSI) be completed by a qualified environmental consultant including investigation of:

- Unknown fill material identified in the study area.
- Soils associated with APEC 1 and APEC 4.
- The DSI should target the soils and groundwater at the proposal site to assess the risk to human health and the environment and identify any management or remediation measures required to support construction.

If contamination is identified at the proposal site that could pose a risk to human health or the environment, an Environmental Management Plan (EMP) or Remediation Action Plan (RAP) should be prepared with measures to mitigate that risk.

Any contaminated soil removed from the study area during the proposed development should be classified in accordance with ACT EPA *Requirements for the reuse and disposal of contaminated soil in the ACT* (ACT EPA, Requirements for the reuse and disposal of contaminated soil in the ACT, 2019) and disposed of at a suitable licensed waste facility.

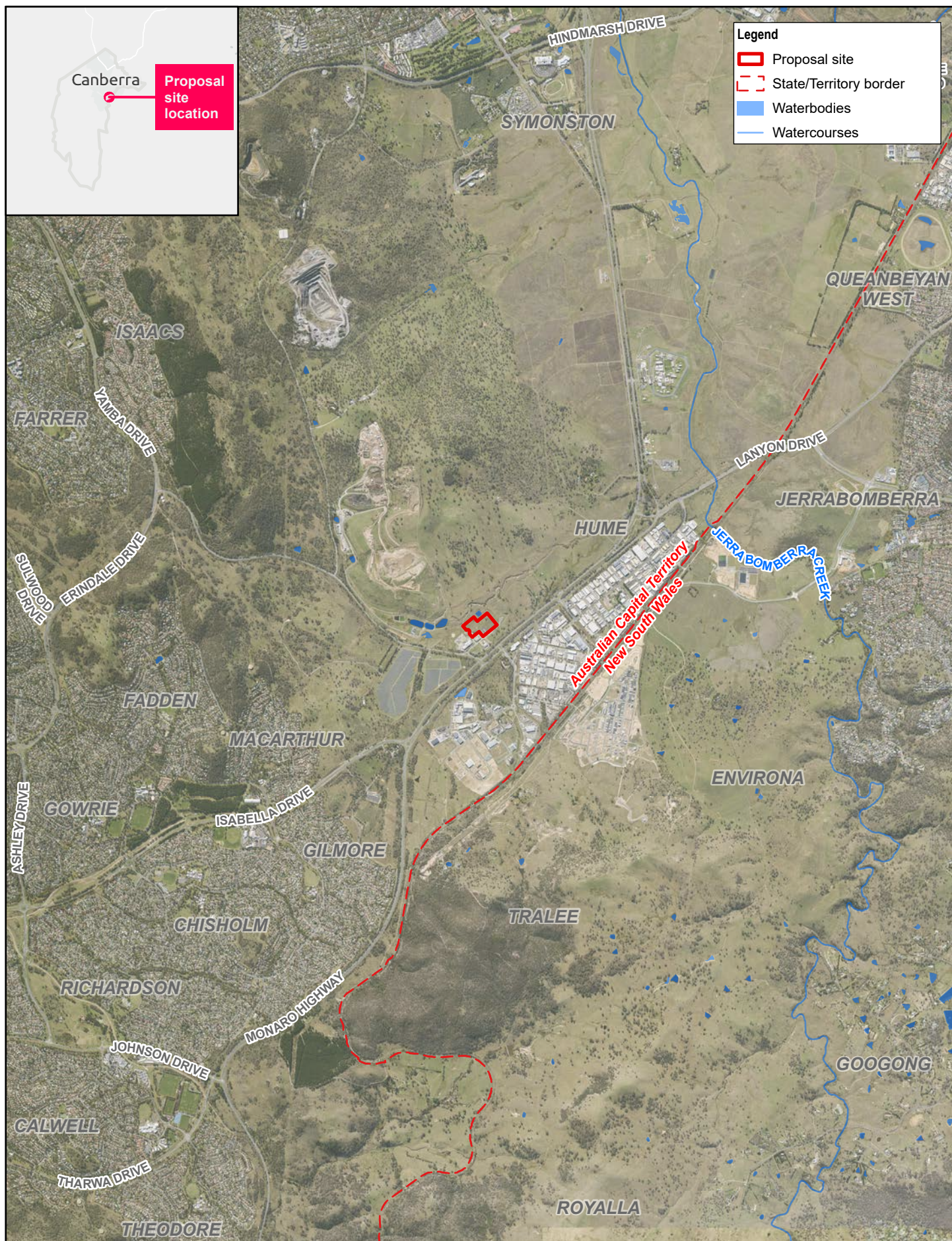
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- CSIRO. (2011). *Soil Resource Information System (ASRIS)*.
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Appendices

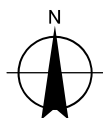
Appendix A

Figures



Paper Size ISO A4
0 0.5 1
Kilometres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Transport Canberra and City Services
Hume Food Organics and Garden Organics Facility
Preliminary Site Investigation

Project No. 12540464
Revision No. 0
Date 30/08/2023

Proposal site locality

FIGURE 1

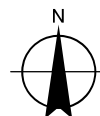


Legend

- ▬ Proposal site
- ▬ Cadastre
- ▬ Watercourses

Paper Size ISO A4
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Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

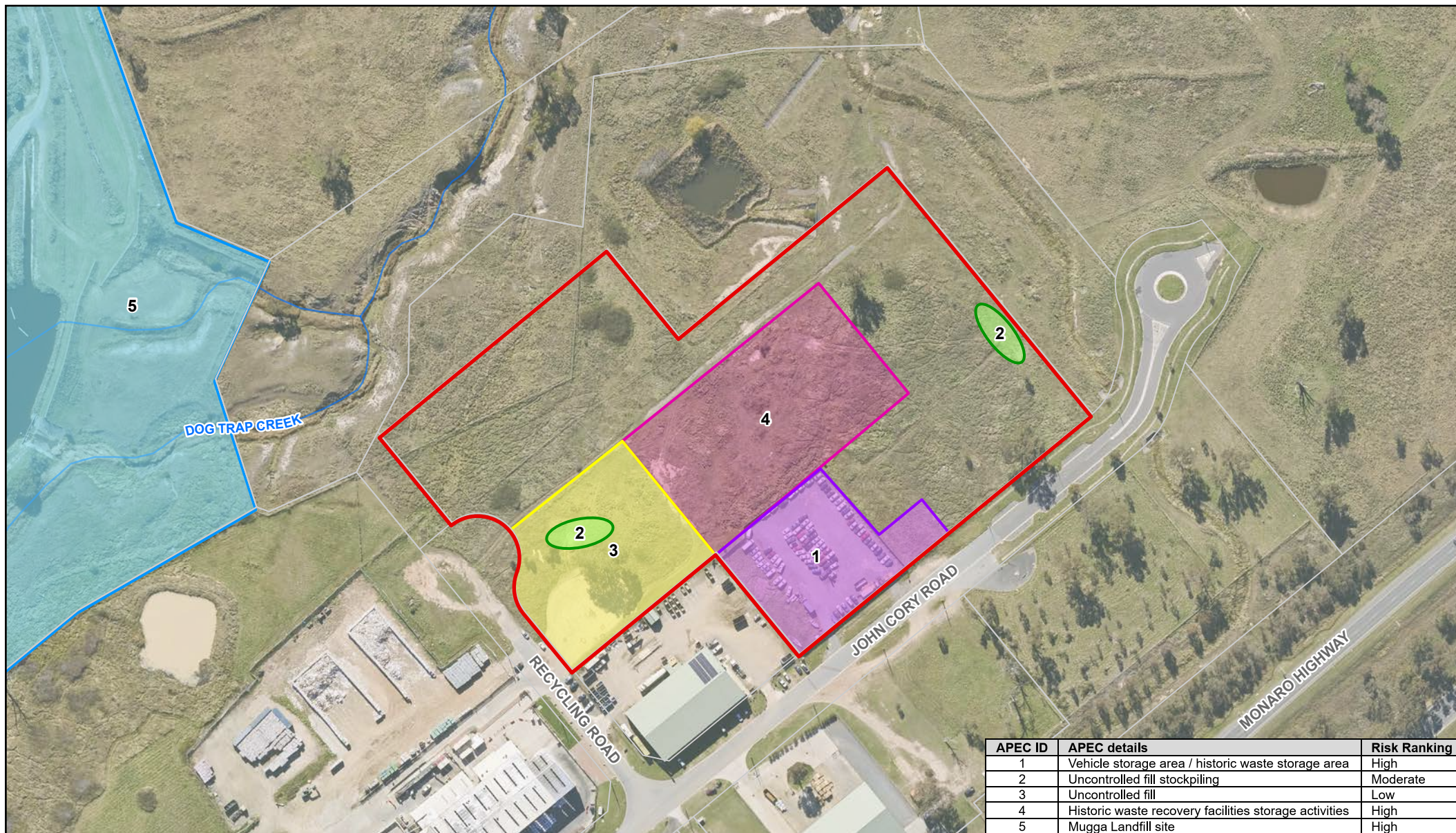


Transport Canberra and City Services
Hume Food Organics and Garden Organics Facility
Preliminary Site Investigation

Project No. 12540460
Revision No. 0
Date 30/08/2023

Proposal location

FIGURE 2



Legend

- ▬ Proposal site
- ▬ Cadastre
- ▬ Watercourses

APEC

- ▬ 1
- ▬ 2
- ▬ 3

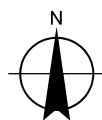
- ▬ 4
- ▬ 5

Paper Size ISO A4

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Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Transport Canberra and City Services
Hume Food Organics and Garden Organics Facility
Preliminary Site Investigation

**Areas of potential environmental
concern**

Project No. 12540460
Revision No. 0
Date 30/08/2023

FIGURE 3

Appendix B

Lotsearch report



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Address: Off John Cory Road, Hume, ACT 2620

Date: 30 Mar 2022 13:42:01

Reference: LS030209 EP

Report Buffer: 1000m

Disclaimer:

The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features. You should obtain independent advice before you make any decision based on the information within the report. The detailed terms applicable to use of this report are set out at the end of this report.

Dataset Listing

Datasets contained within this report, detailing their source and data currency:

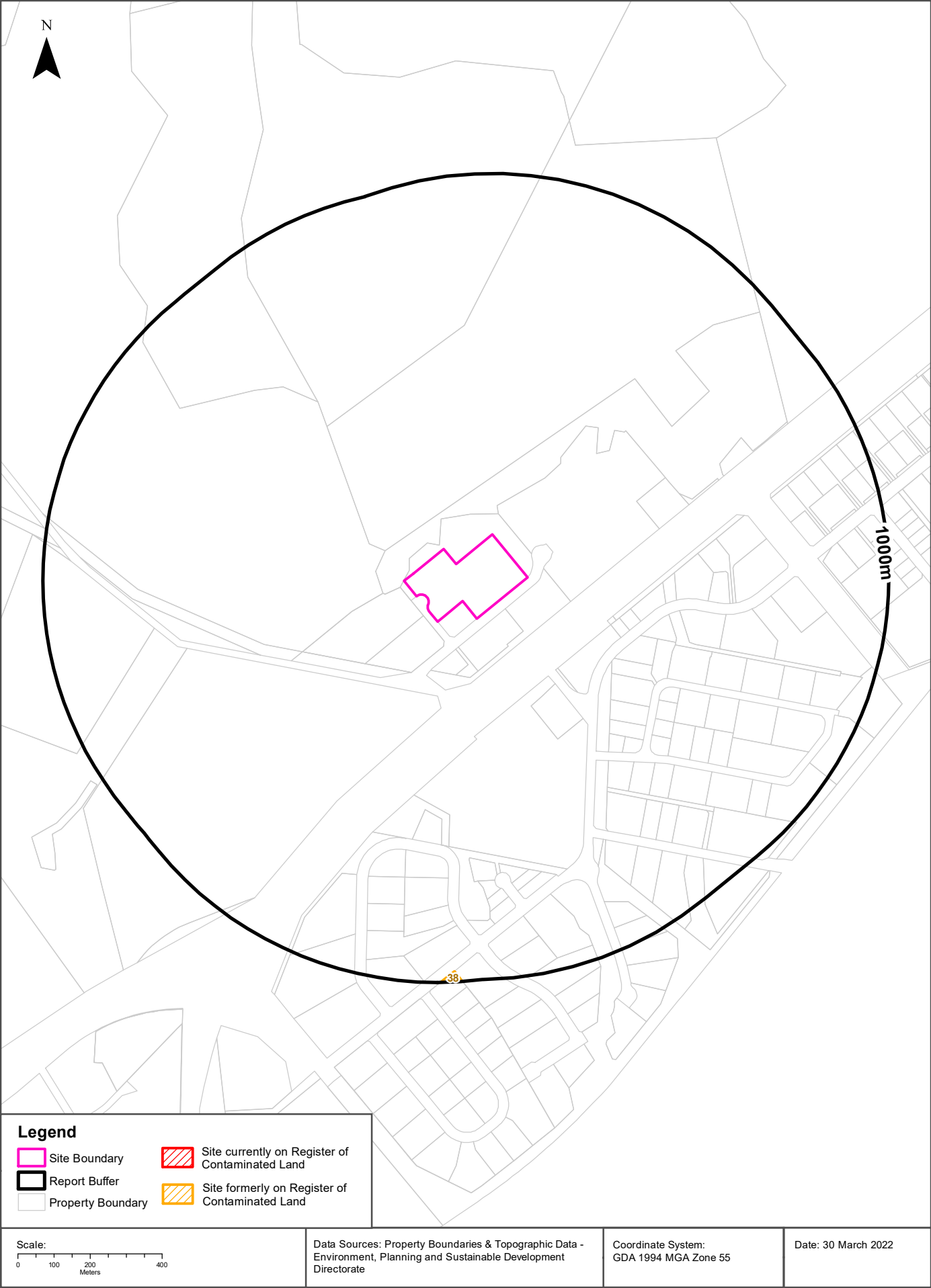
Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Land Administration Databases	ACT Government	08/07/2021	06/07/2021	Quarterly	-	-	-
Register of Contaminated Sites	ACT Government - Environment Protection Authority	21/03/2022	21/03/2022	Monthly	0	0	1
National Waste Management Facilities Database	Geoscience Australia	12/05/2021	07/03/2017	Annually	0	1	2
National Liquid Fuel Facilities	Geoscience Australia	15/02/2021	15/03/2012	Annually	0	0	1
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	03/03/2022	03/03/2022	Monthly	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	03/03/2022	03/03/2022	Monthly	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	02/03/2022	02/03/2022	Monthly	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	03/03/2022	03/03/2022	Quarterly	0	0	0
EPA Authorisations	Environment Protection Authority	21/03/2022	21/03/2022	Monthly	0	7	33
EPA Agreements	Environment Protection Authority	21/03/2022	21/03/2022	Monthly	0	0	0
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	0	0	0
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	-	0	1
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	0	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	-	0	0
Features of Interest	ACT Government	04/02/2022	04/02/2022	Quarterly	0	0	3
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1	1	1
Hydrogeological Landscapes Units	ACT Government - Environment, Planning and Sustainable Development Directorate	04/01/2018	22/11/2017	As required	1	1	1
Groundwater Boreholes (ACT)	ACT Government	04/02/2022	04/02/2022	Quarterly	0	0	0
Groundwater Boreholes (Bureau of Meteorology)	Commonwealth of Australia (Bureau of Meteorology)	20/11/2017	25/08/2017	Annually	0	0	32
Geological Units 1:250,000	NSW Department of Industry, Resources & Energy	20/08/2014		Annually	1	-	2
Geological Structures 1:250,000	NSW Department of Industry, Resources & Energy	20/08/2014		Annually	0	-	0
Atlas of Australian Soils	ABARES	19/05/2017	17/02/2011	As required	1	1	2
Soil Landscapes	NSW Office of Environment & Heritage	12/08/2014		None planned	1	-	3
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1	1	2
Territory Plan Zones	ACT Government - Environment, Planning and Sustainable Development Directorate	05/08/2021	05/08/2021	Quarterly	1	4	13

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Territory Plan Overlays (Areas)	ACT Government - Environment, Planning and Sustainable Development Directorate	04/02/2022	04/02/2022	Quarterly	0	0	1
Territory Plan Overlays (Lines)	ACT Government - Environment, Planning and Sustainable Development Directorate	18/03/2019	18/03/2019	Quarterly	0	0	4
Commonwealth Heritage List	Australian Government Department of Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	0	0	1
National Heritage List	Australian Government Department of Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	0	0	1
Heritage Sites	ACT Government - Environment, Planning and Sustainable Development Directorate	04/02/2022	04/02/2022	Quarterly	1	16	40
Bushfire Prone Areas	ACT Government - Environment, Planning and Sustainable Development Directorate	23/07/2021	23/07/2021	Quarterly	1	1	1
Bushfire Abatement Zones	ACT Government - Environment, Planning and Sustainable Development Directorate	23/07/2021	23/07/2021	Quarterly	0	1	2
Bushfire Operational Plan - Access Management	ACT Government - Environment, Planning and Sustainable Development Directorate	07/01/2020	07/01/2020	Quarterly	0	0	0
Bushfire Operational Plan - Fuel Management	ACT Government - Environment, Planning and Sustainable Development Directorate	07/01/2020	07/01/2020	Quarterly	0	0	5
Flood 1 percent Annual Exceedance Probability	ACT Government - Environment, Planning and Sustainable Development Directorate	20/05/2021	10/09/2019	Annually	0	0	0
Vegetation Communities	ACT Government	10/02/2022	21/12/2018	Annually	3	4	54
Vegetation Subformation	ACT Government	14/01/2019	14/01/2019	Annually	0	0	1
Threatened Woodland	ACT Government	10/02/2022	08/06/2021	Annually	2	5	25
Tree Register	ACT Government	03/11/2021	03/11/2021	Annually	0	0	1
Important Wetlands	ACT Government	03/11/2021	03/11/2021	Annually	0	0	0
Groundwater Dependent Ecosystems Atlas	Bureau of Meteorology	14/08/2017	15/05/2017	Annually	0	0	1
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	23/06/2021	23/06/2021	Weekly	-	-	-



Contaminated Sites Register

Off John Cory Road, Hume, ACT 2620



Contaminated Land

Off John Cory Road, Hume, ACT 2620

Register of Contaminated Sites

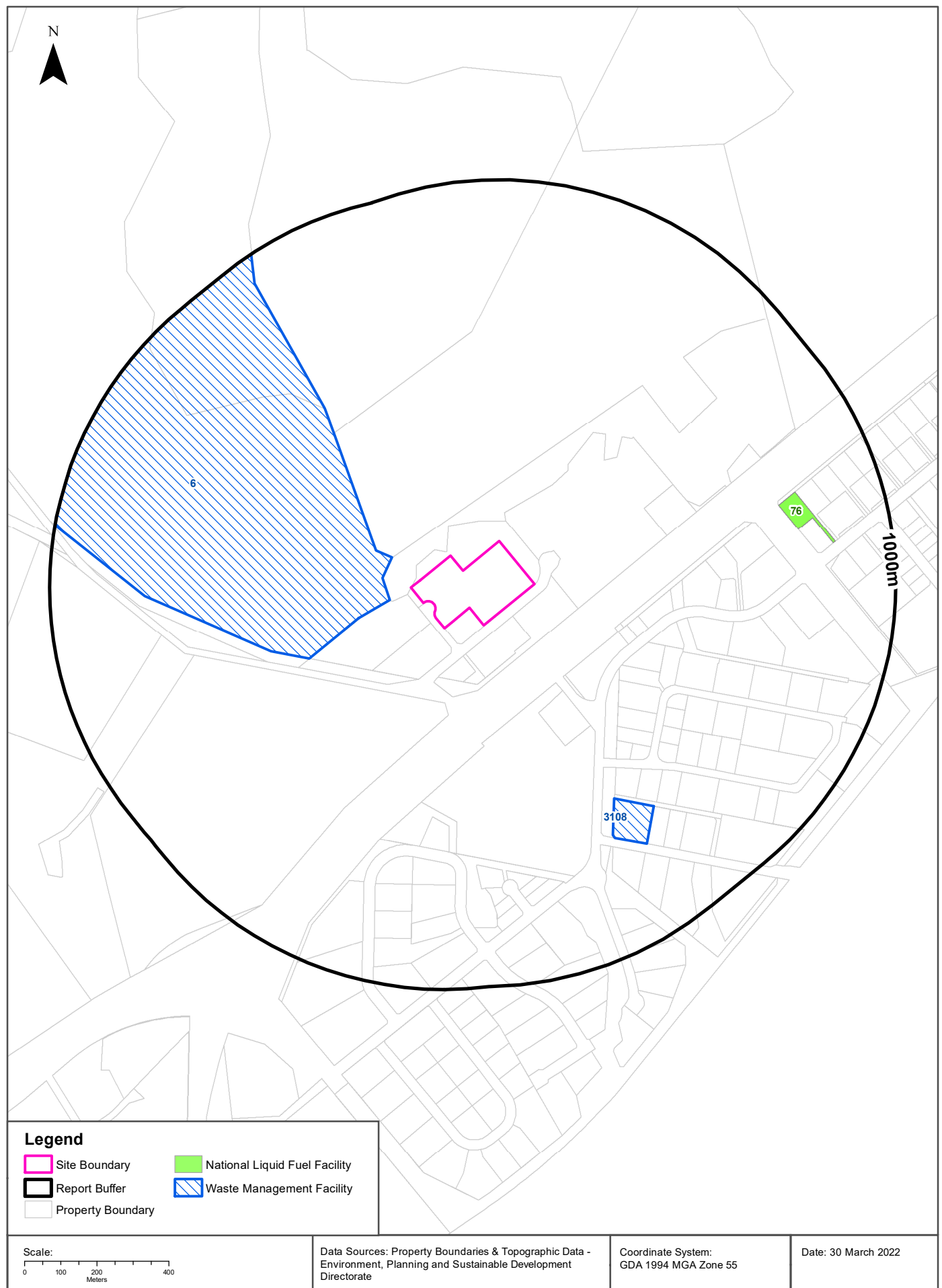
Records from the ACT Register of Contaminated Sites within the report buffer:

Map Id	Site Description	Notification	District	Division	Section	Block	Status	Loc Conf	Dist	Direction
38	Former Koppers Timber Treatment plant	76A(1)	Tuggeranong		0	1210	Site formerly on EPA Register	Premise Match	969m	South

ACT Register of Contaminated Sites Data Source: ACT Government Environment Protection Authority
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Waste Management & Liquid Fuel Facilities

Off John Cory Road, Hume, ACT 2620



Waste Management and Liquid Fuel Facilities

Off John Cory Road, Hume, ACT 2620

National Waste Management Site Database

Sites on the National Waste Management Site Database within the report buffer:

Site Id	Owner	Name	Address	Suburb	Postcode	Landfill	Reprocess	Transfer	Loc Conf	Distance	Direction
6	ACT Government	Mugga Lane Landfill	499 Mugga Lane	Symonston	2611	Operational			Premise Match	67m	North West
3108	Transpacific Industries Group Ltd	Cleanaway Hume	11 Alderson Place	Hume				Operational	Premise Match	600m	South East

Waste Management Facilities Data Source: Australian Government Geoscience Australia

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National Liquid Fuel Facilities

National Liquid Fuel Facilities within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist (m)	Direction
76	Caltex	Woolworths Caltex Hume	96 Sheppard Street	Hume	Petrol Station	Operational		25/07/2011	Premise Match	709m	East

National Liquid Fuel Facilities Data Source: Geoscience Australia

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PFAS Investigation and Management Programs

Off John Cory Road, Hume, ACT 2620

Defence PFAS Investigation and Management Program Investigation Sites

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

Defence PFAS Investigation and Management Program Data Source: Department of Defence, Australian Government

Defence PFAS Investigation and Management Program Management Sites

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

Defence PFAS Investigation and Management Program Data Source: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Location Confidence	Distance	Direction
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

Off John Cory Road, Hume, ACT 2620

Defence 3 Year Regional Contamination Investigation Program

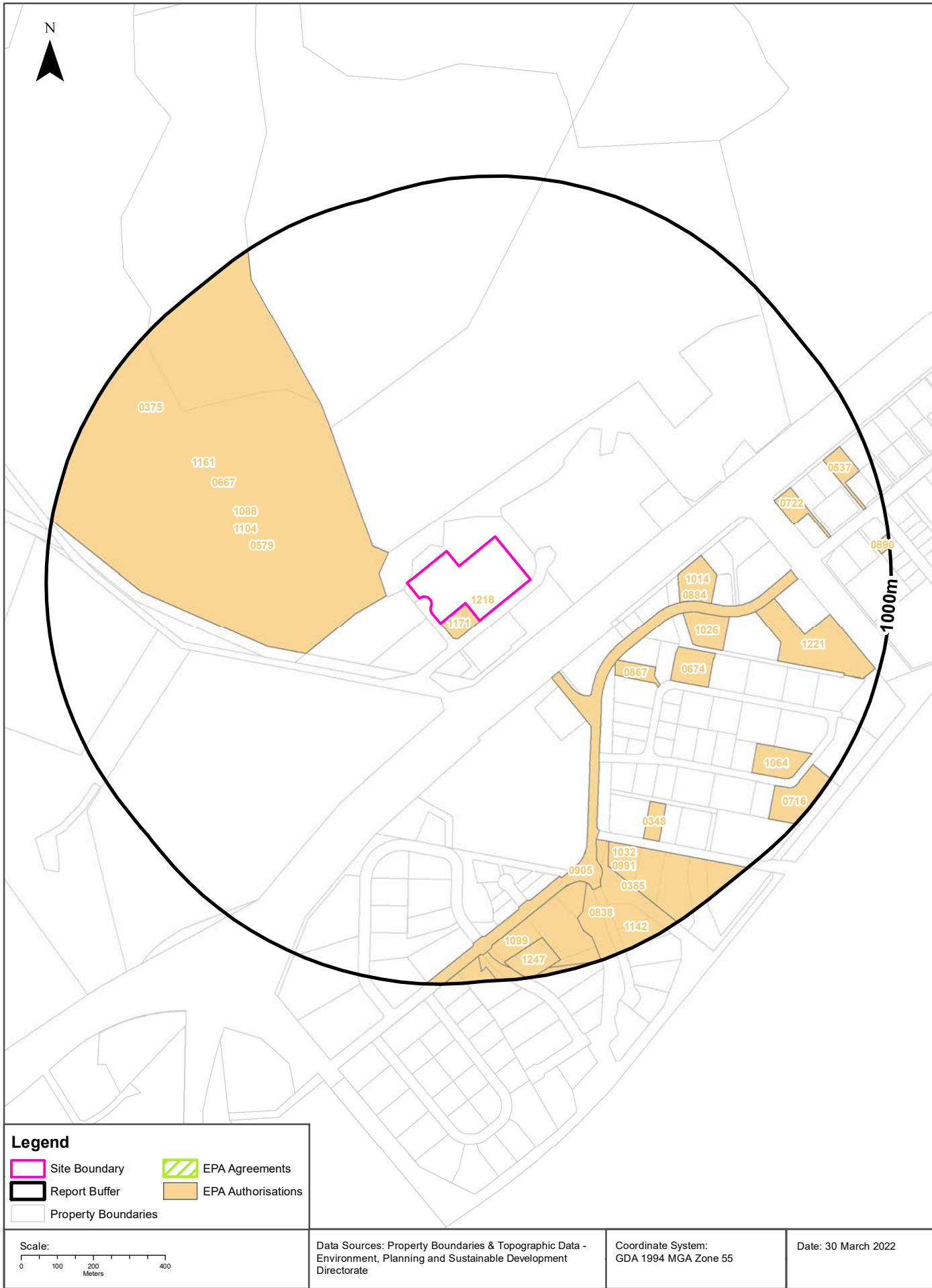
Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

EPA Authorisations and Agreements

Off John Cory Road, Hume, ACT 2620



EPA Authorisations & Agreements

Off John Cory Road, Hume, ACT 2620

EPA Authorisations

EPA Authorisations within the report buffer:

Note. Please click on ID Number to activate a hyperlink to online documentation. If link does not work, no documentation is accessible via the EPA.

ID Number	Activity	Business / Individual Name	Grant Date	Expiry Date	Status	Loc Conf	Distance	Direction
1171	Operation of waste transfer (Activity 48)	Re-Cycle Operations (Canberra) Pty Ltd	11/30/2018		Canceled	Premise Match	0m	South
1218	Operation of waste transfer (Activity 48)	Re.Cycle Operations (Canberra) Pty Ltd	11/6/2019		Current	Premise Match	0m	South
0579	Placement of soil on land (Activity 7)	ACT NOWaste	9/11/2007	9/11/2008	Expired	Premise Match	66m	North West
0667	Placement of soil on land (Activity 7)	ACT NOWaste	4/6/2009		Current	Premise Match	66m	North West
1088	Extraction of Material from waterways; Greater than 100m3 (Activity 1)	Huon Contractors Pty Ltd	6/21/2016	6/21/2017	Expired	Premise Match	66m	North West
1104	Operation of crushing, grinding and separation (Activity 43)	Dale and Hitchcock Civil Engineering and Landscaping	11/11/2016	11/15/2017	Ceased	Premise Match	66m	North West
1161	Operation of crushing, grinding and separation (Activity 43)	Dale and Hitchcock Civil Engineering and Landscaping	5/23/2018	7/8/2020	Ceased	Premise Match	66m	North West
0838	Extraction of Material from waterways; Greater than 100m3 (Activity 1)	BMD Constructions	5/16/2011	5/16/2012	Expired	Premise Match	247m	South
0905	Extraction of Material from waterways; Greater than 100m3 (Activity 1)	BMD Constructions	6/21/2012	5/21/2013	Expired	Road Match	247m	South
0867	Petroleum storage (Activity 30)	Ampol Australia Petroleum Pty Ltd - HUME	12/20/2011		Current	Premise Match	328m	South East
0884	Petroleum storage (Activity 30)	Mini-Tankers Australia Pty Ltd	1/18/2012	1/18/2015	Expired	Premise Match	406m	East
1014	Petroleum storage (Activity 30)	Mini-Tankers Australia Pty Ltd	2/19/2015		Current	Premise Match	406m	East
1026	Regulated Waste (Activity 9)	Dale & Hitchcock Civil Engineering Pty Ltd	5/7/2015		Current	Premise Match	430m	East
0674	Regulated Waste (Activity 9)	Cleanaway Pty Ltd	8/26/2009		Current	Premise Match	449m	East
1221	Petroleum storage (Activity 30)	Canberra Data Centres Pty Ltd	11/18/2019		Current	Premise Match	627m	East
0348	Production of concrete (Activity 41)	Elvin Group Pty Ltd trading as Tuggeranong Premix Concrete	8/9/2001		Current	Premise Match	684m	South East
0385	Preservation of wood designed to process 10 000m3 or more of wood per year (Activity 40)	Koppers Timber Preservation	7/25/2002	12/14/2005	Ceased	Premise Match	685m	South
1142	Extraction of Material from waterways; Greater than 100m3 (Activity 1)	Chincivil Pty Ltd	11/20/2017	11/20/2018	Expired	Premise Match	703m	South
0991	Regulated Waste (Activity 9)	Irwin & Hartshorn Pty Ltd	7/14/2014		Current	Premise Match	707m	South East
1032	Regulated Waste (Activity 9)	Remondis Australia Pty Ltd	8/12/2015		Current	Premise Match	707m	South East
0722	Petroleum storage (Activity 30)	EG Fuelco (Australia) Limited - HUME	1/14/2010		Current	Premise Match	708m	East
0375	Commercial Landfill (Activity 6)	Remondis Australia Pty Ltd	5/21/2002		Current	Premise Match	762m	North West
1064	Transport of Controlled Waste (Activity 8)	J.J. Richards & Sons Pty Ltd	12/22/2015		Current	Premise Match	773m	South East
1064	Transport of Controlled Waste (Activity 8)	J.J. Richards & Sons Pty Ltd	12/22/2015		Current	Premise Match	773m	South East

ID Number	Activity	Business / Individual Name	Grant Date	Expiry Date	Status	Loc Conf	Distance	Direction
1099	Operation of crushing, grinding and separation (Activity 43)	Southern State Waste Recycling	3/23/2017		Ceased	Premise Match	832m	South
0537	Commercial use of chemicals (Activity 29)	Turf Management Australia Pty Ltd	12/20/2005	3/25/2014	Ceased	Premise Match	874m	East
0716	Production of road building materials (Activity 42)	Downer EDI Works Pty Ltd	12/2/2010		Current	Premise Match	883m	South East
1247	Production of road building materials (Activity 42)	Southern Asphalt Production Pty Ltd	12/15/2020		Current	Premise Match	893m	South
0890	Waste petroleum (Activity 32)	Ampcontrol Services (NSW) Pty Ltd	4/19/2012	2/1/2022	Ceased	Premise Match	955m	East
0010	Commercial use of chemicals (Activity 29)	ACT Parks and Conservation Service	6/12/1998	12/18/2006	Ceased	Suburb/Area Match	-	-
0109	Commercial use of chemicals (Activity 29)	Capital Pest Control	9/30/1998	11/16/2006	Ceased	Suburb/Area Match	-	-
0231	Burning off (Activity 28)	ACT Parks and Conservation Service	9/24/1999	12/31/1999	Expired	Suburb/Area Match	-	-
0389	Timber (Activity 38)	Integrated Forest Products Pty Ltd	10/18/2002	12/12/2007	Ceased	Suburb/Area Match	-	-

EPA Authorisations Data Source: ACT Government Environment Protection Authority
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EPA Agreements

Note. Due to the lack of premise details within the documentation, this list does not include the following agreement:

Land development

EPA Agreements within the report buffer:

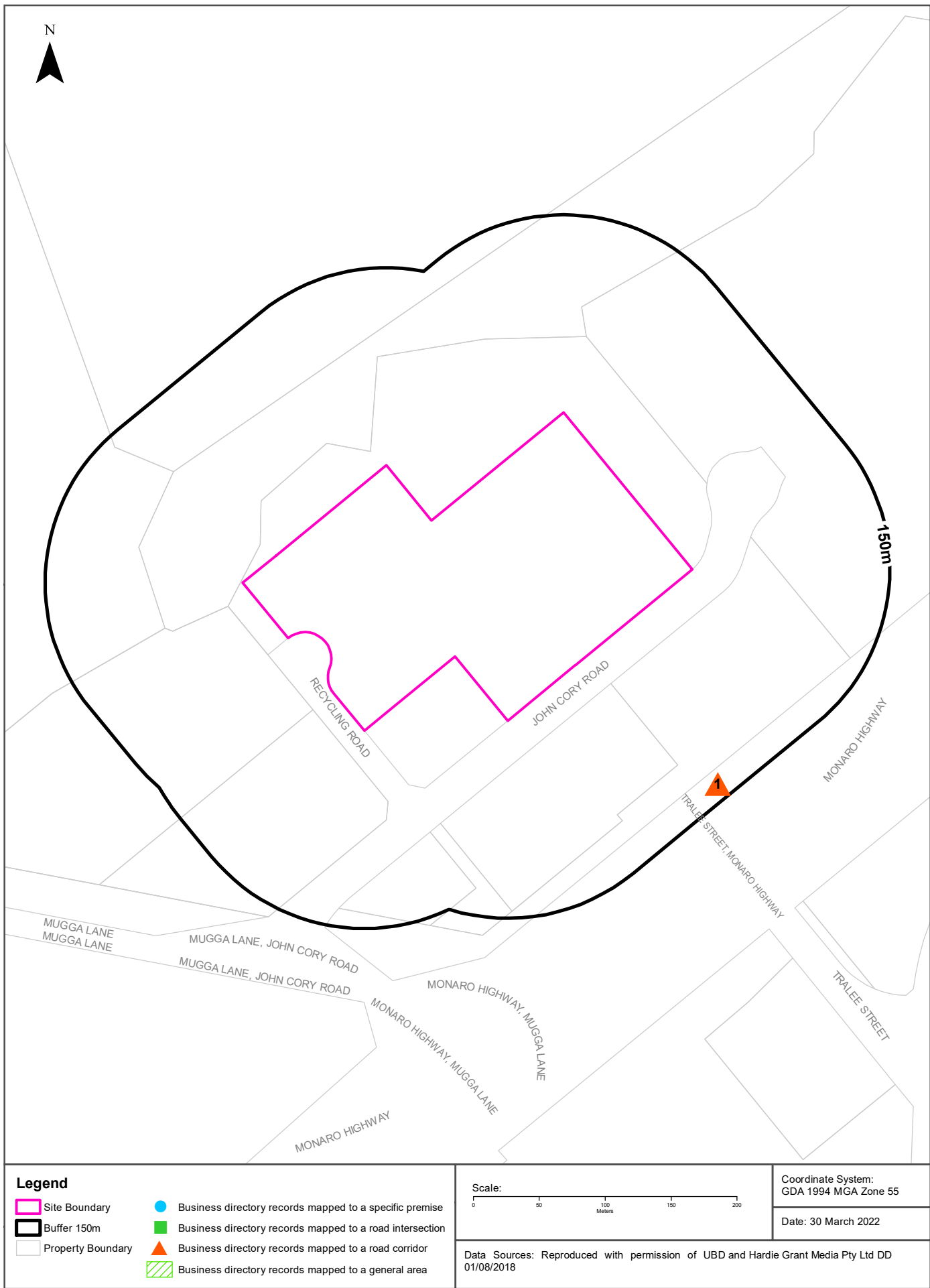
Note. Please click on ID Number to activate a hyperlink to online documentation. If link does not work, no documentation is accessible via the EPA.

ID Number	Agreement Type	Business / Individual Name	Grant Date	Expiry Date	Status	Loc Conf	Distance	Direction
N/A	No records in buffer							

EPA Agreements Data Source: ACT Government Environment Protection Authority
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Historical Business Directories

Off John Cory Road, Hume, ACT 2620



Historical Business Directories

Off John Cory Road, Hume, ACT 2620

Business Directory Records 1950-1991 Premise or Road Intersection Matches

Universal Business Directory records from years 1950, 1961, 1970, 1982 and 1991, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
	No records in buffer						

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Business Directory Records 1950-1991 Road or Area Matches

Universal Business Directory records from years 1950, 1961, 1970, 1982 and 1991, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
1	TIMBER MERCHANTS &/OR SAWMILLERS	Integrated Forest Products Pty. Ltd., Monaro H'way., Canberra .(A.C.T.)	7060	1982	Road Match	128m

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Historical Business Directories

Off John Cory Road, Hume, ACT 2620

Dry Cleaners, Motor Garages & Service Stations 1950-1991 Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories for years 1950, 1961, 1970, 1982 and 1991, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
	No records in buffer						

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Dry Cleaners, Motor Garages & Service Stations 1950-1991 Road or Area Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories for years 1950, 1961, 1970, 1982 and 1991, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
	No records in buffer					

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018



Aerial Imagery 2009

Off John Cory Road, Hume, ACT 2620





Scale: 0 40 80 120 160 Meters	Data Sources: Aerial Imagery © Aerometrex Pty Ltd	Coordinate System: GDA 1994 MGA Zone 55	Date: 30 March 2022
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Aerial Imagery 1997

Off John Cory Road, Hume, ACT 2620



Scale: 0 40 80 120 160 Meters	Data Source Aerial Imagery: © Office of the Surveyor-General, ACT	Coordinate System: GDA 1994 MGA Zone 55	Date: 29 March 2022
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Aerial Imagery 1992

Off John Cory Road, Hume, ACT 2620



Scale: 0 40 80 120 160 Meters	Data Sources: Aerial Imagery: © NSW Department of Customer Service	Coordinate System: GDA 1994 MGA Zone 55	Date: 29 March 2022
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Aerial Imagery 1985

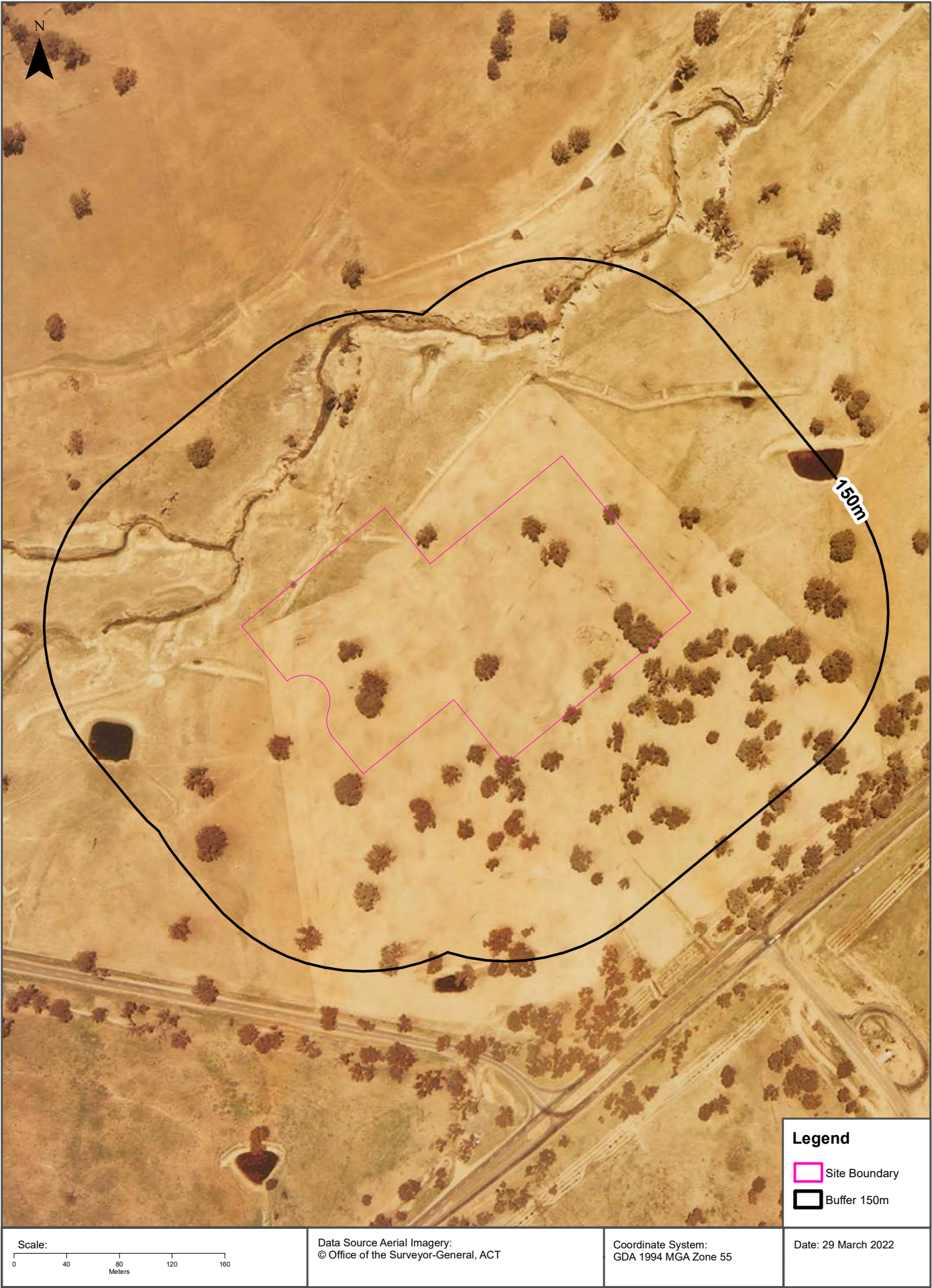
Off John Cory Road, Hume, ACT 2620



Scale: 0 40 80 120 160 Meters	Data Sources: Aerial Imagery: © NSW Department of Customer Service	Coordinate System: GDA 1994 MGA Zone 55	Date: 29 March 2022
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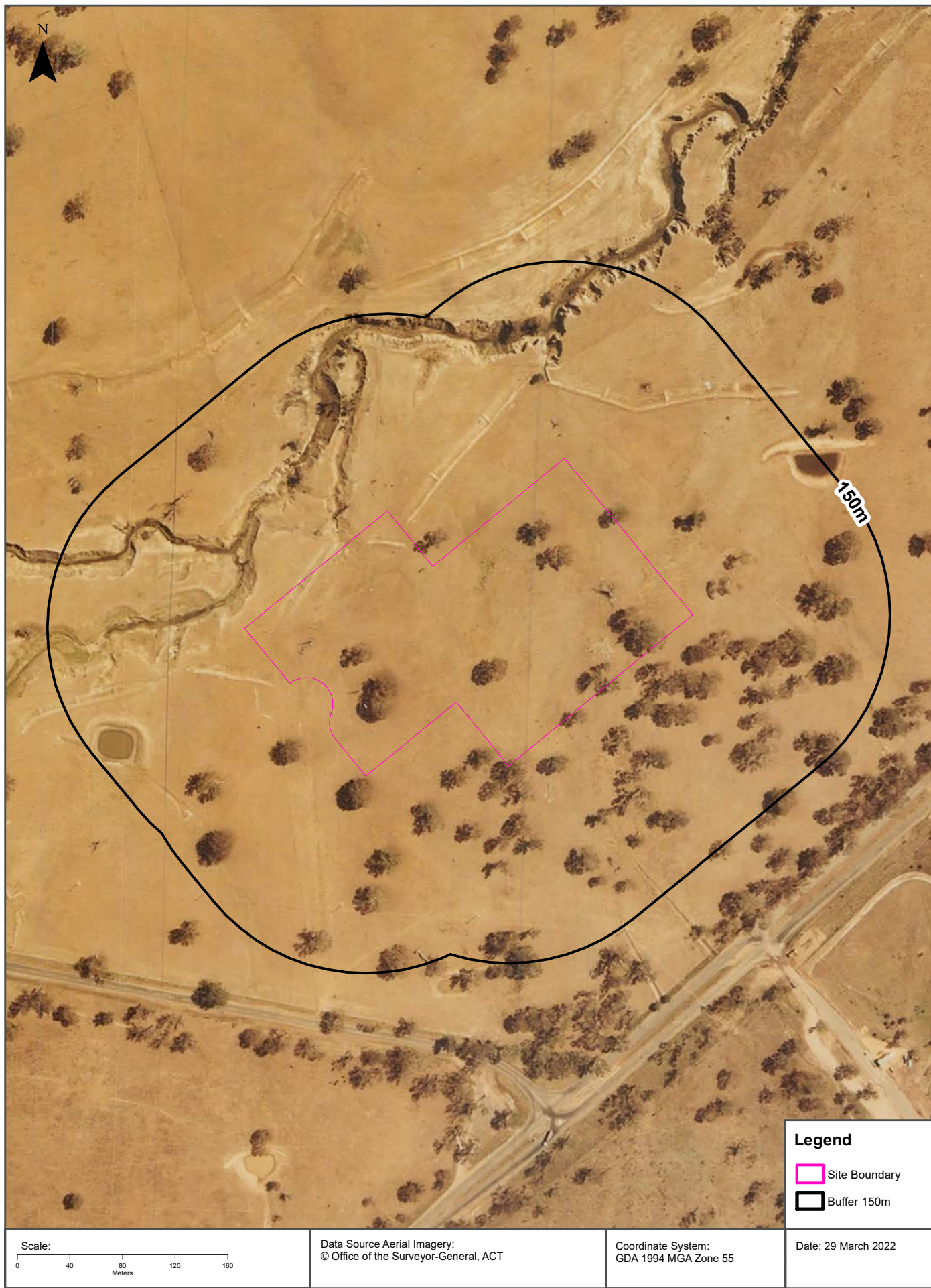
Aerial Imagery 1981

Off John Cory Road, Hume, ACT 2620



Aerial Imagery 1978

Off John Cory Road, Hume, ACT 2620



Aerial Imagery 1976

Off John Cory Road, Hume, ACT 2620



Scale: 0 40 80 120 160 Meters	Data Sources: Aerial Imagery: © NSW Department of Customer Service	Coordinate System: GDA 1994 MGA Zone 55	Date: 29 March 2022
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Aerial Imagery 1967

Off John Cory Road, Hume, ACT 2620



Scale: 0 40 80 120 160 Meters	Data Sources: Aerial Imagery: © NSW Department of Customer Service	Coordinate System: GDA 1994 MGA Zone 55	Date: 29 March 2022
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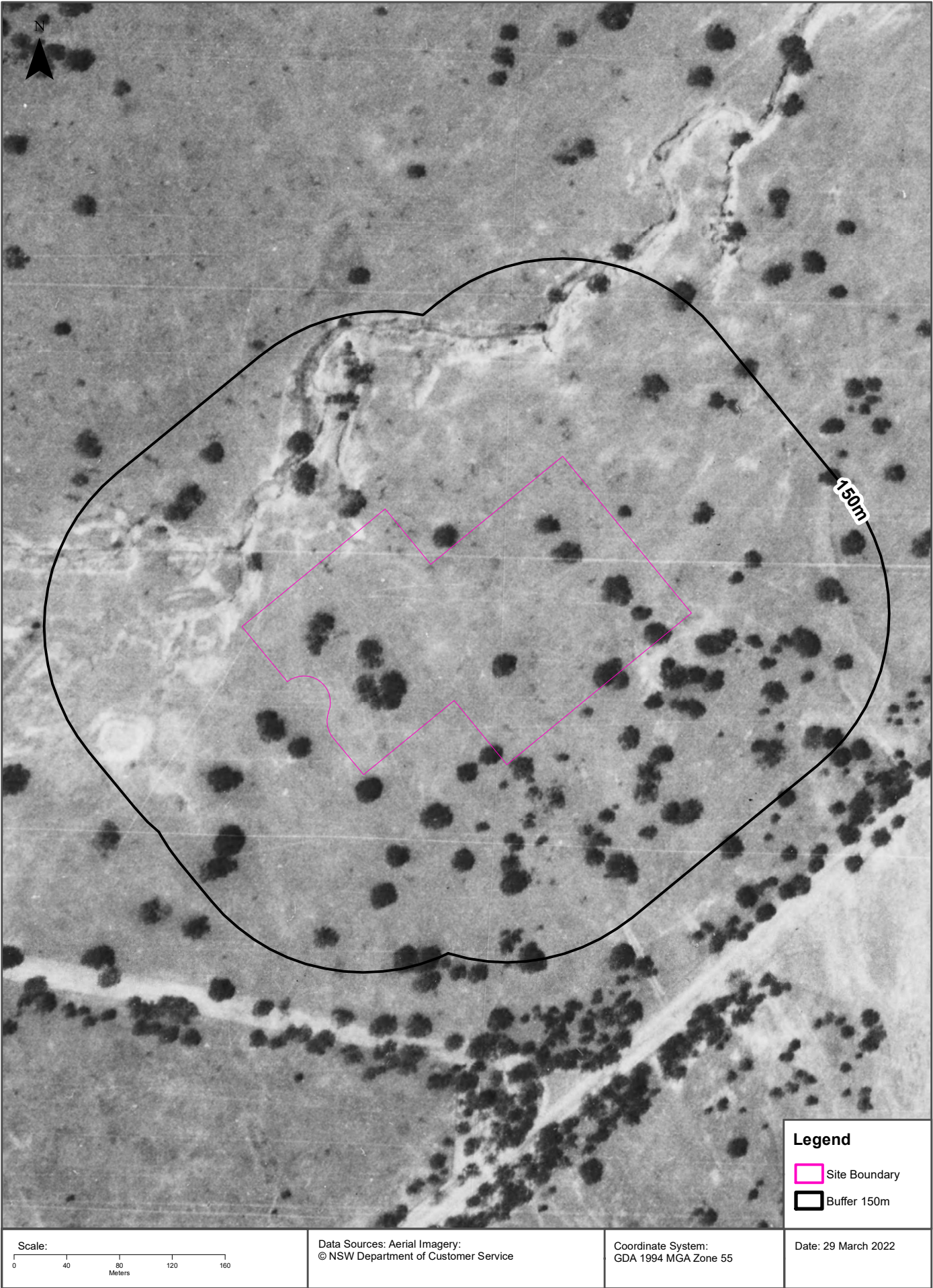
Aerial Imagery 1961

Off John Cory Road, Hume, ACT 2620



Aerial Imagery 1944

Off John Cory Road, Hume, ACT 2620



Historical Map 1987

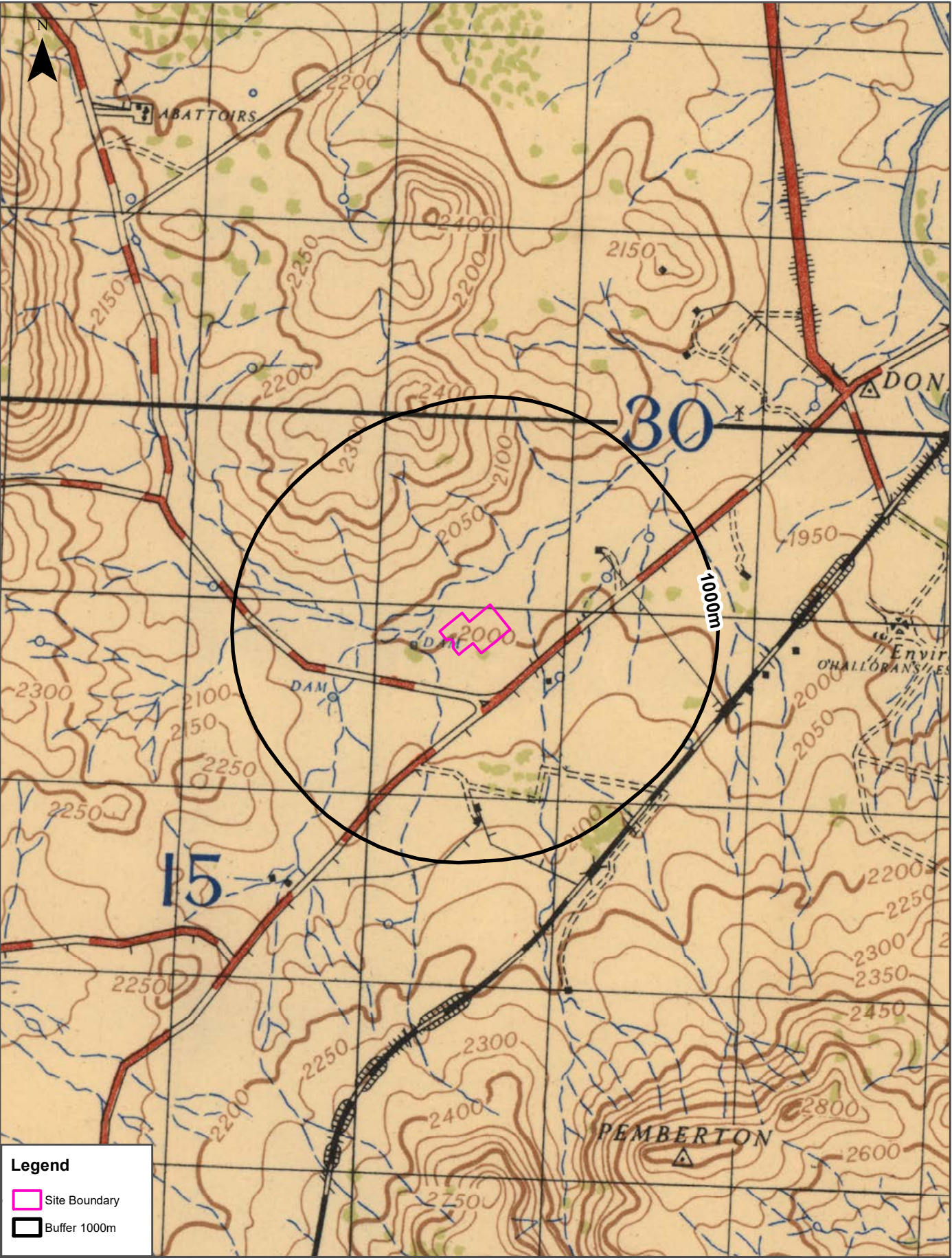
Off John Cory Road, Hume, ACT 2620



Scale: 0 200 400 800 1,200 Meters	Data Sources: NATMAP 1:100,000 Topographic Maps Geoscience Australia	Coordinate System: GDA 1994 MGA Zone 55	Date: 29 March 2022
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Historical Map c.1942

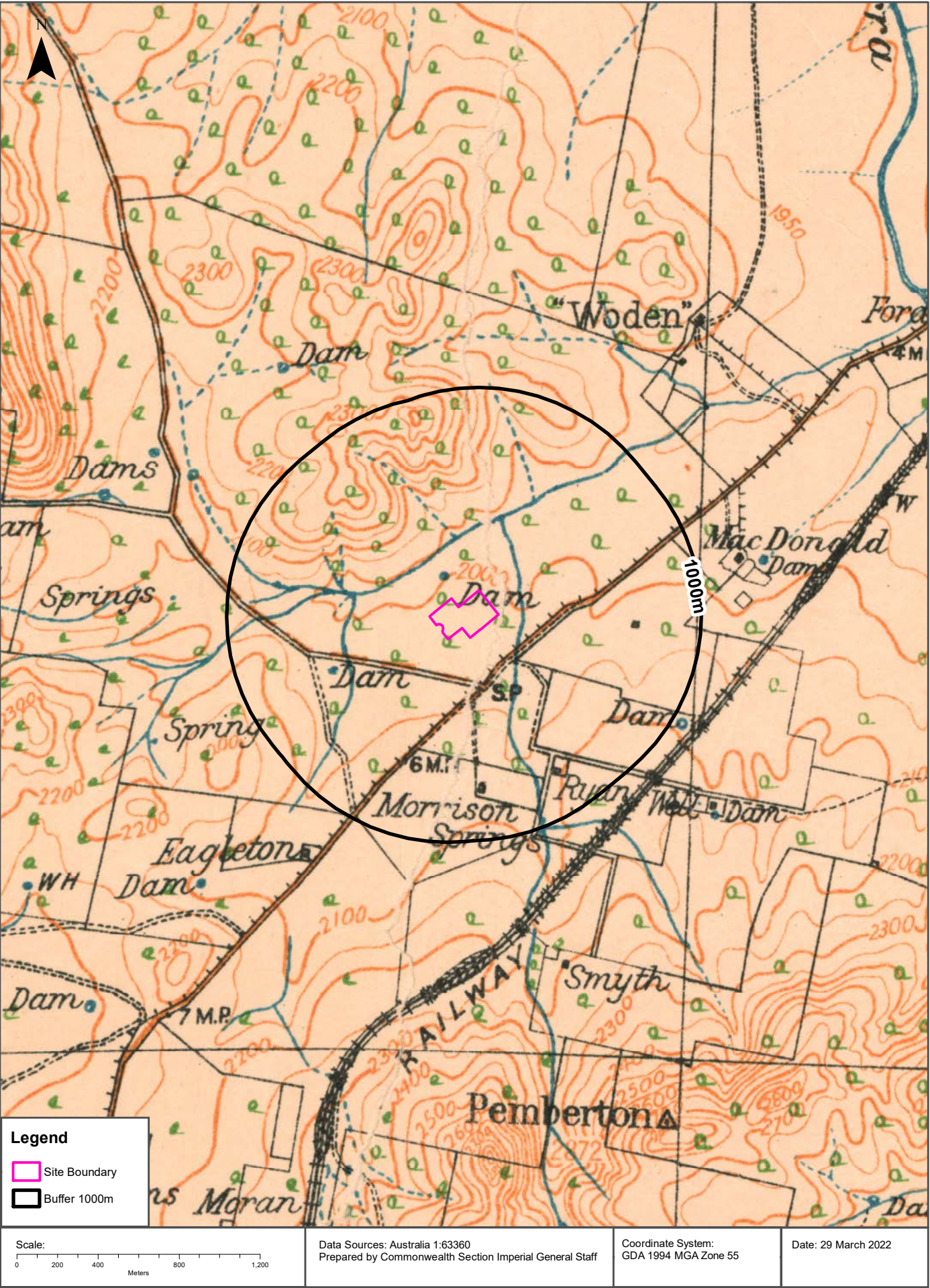
Off John Cory Road, Hume, ACT 2620

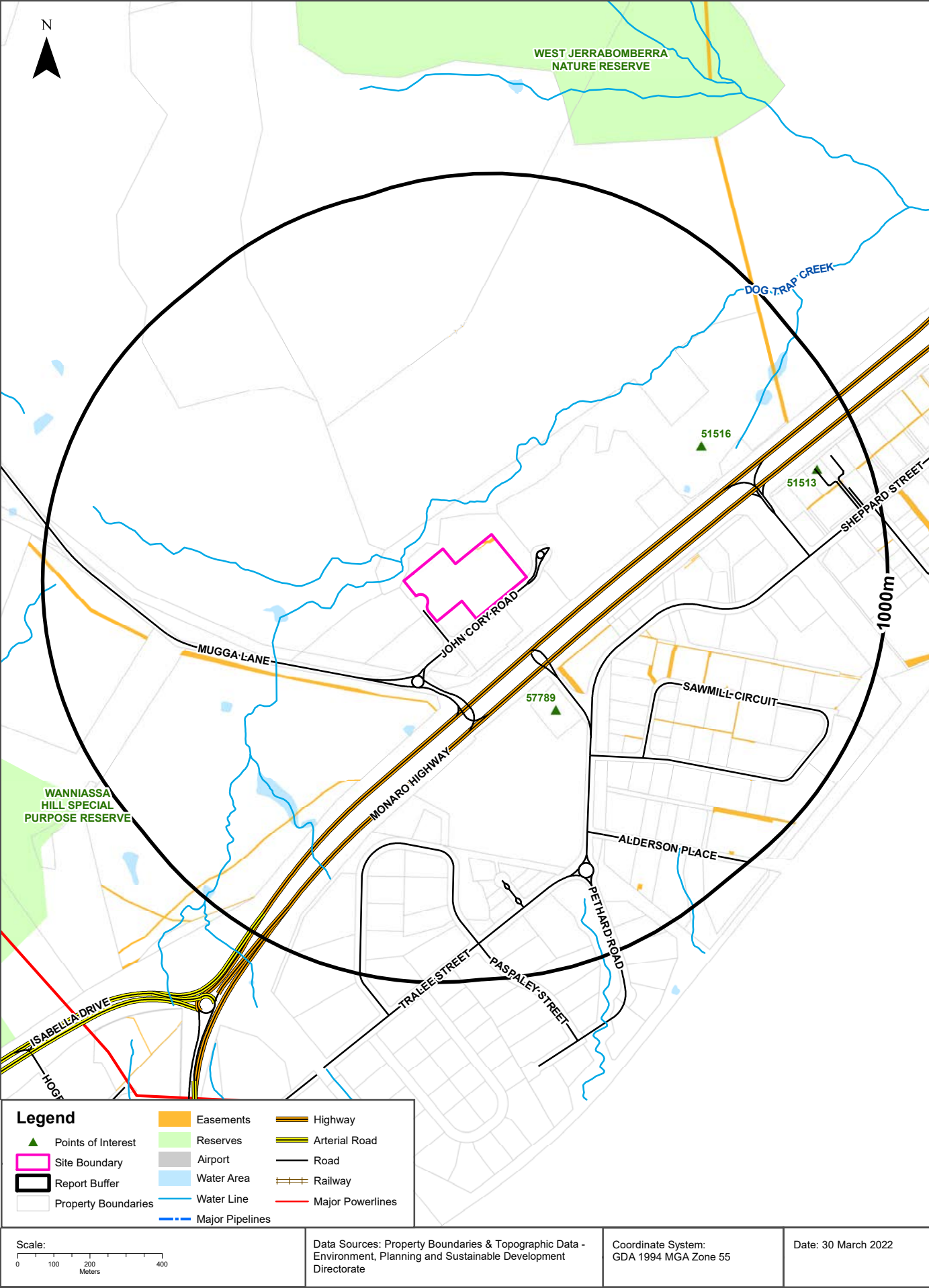


Scale: 0 200 400 800 1,200 Meters	Data Sources: Australia 1:63360 Prepared by Commonwealth Section Imperial General Staff	Coordinate System: GDA 1994 MGA Zone 55	Date: 29 March 2022
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Historical Map c.1914

Off John Cory Road, Hume, ACT 2620





Topographic Features

Off John Cory Road, Hume, ACT 2620

Features of Interest

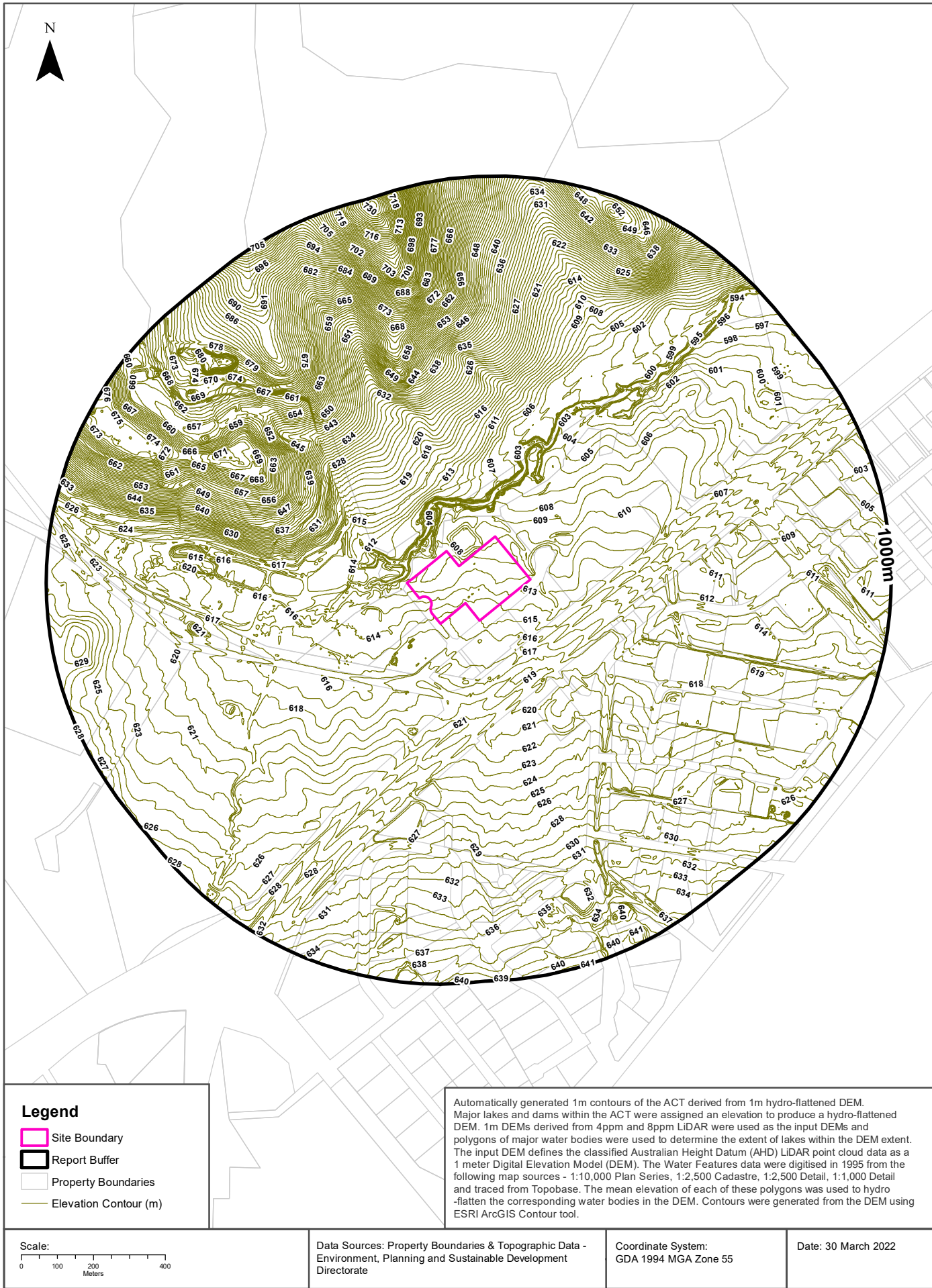
What Features of Interest exist within the report buffer?

Map Id	Feature Type	Name	Description	Distance	Direction
57789		ACT Forests Public Weigh Bridge	UNCATEGORIZED	335m	South East
51516	HOMESTEAD, OUTSTATION, OUTCAMP, WOOLSHED	Stonyhurst	AGRICULTURE - HORSE AGISTMENT, LIVESTOCK GRAZING	604m	North East
51513	BUILDING	Hume Estate	OFFICE - CHANCELLERY, DEPARTMENTAL OFFICES	856m	East

Features of Interest Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Elevation Contours (2015 - 1m)

Off John Cory Road, Hume, ACT 2620



Hydrogeology & Groundwater

Off John Cory Road, Hume, ACT 2620

Hydrogeology

Description of aquifers on-site:

Description
Fractured or fissured, extensive aquifers of low to moderate productivity

Description of aquifers within the report buffer:

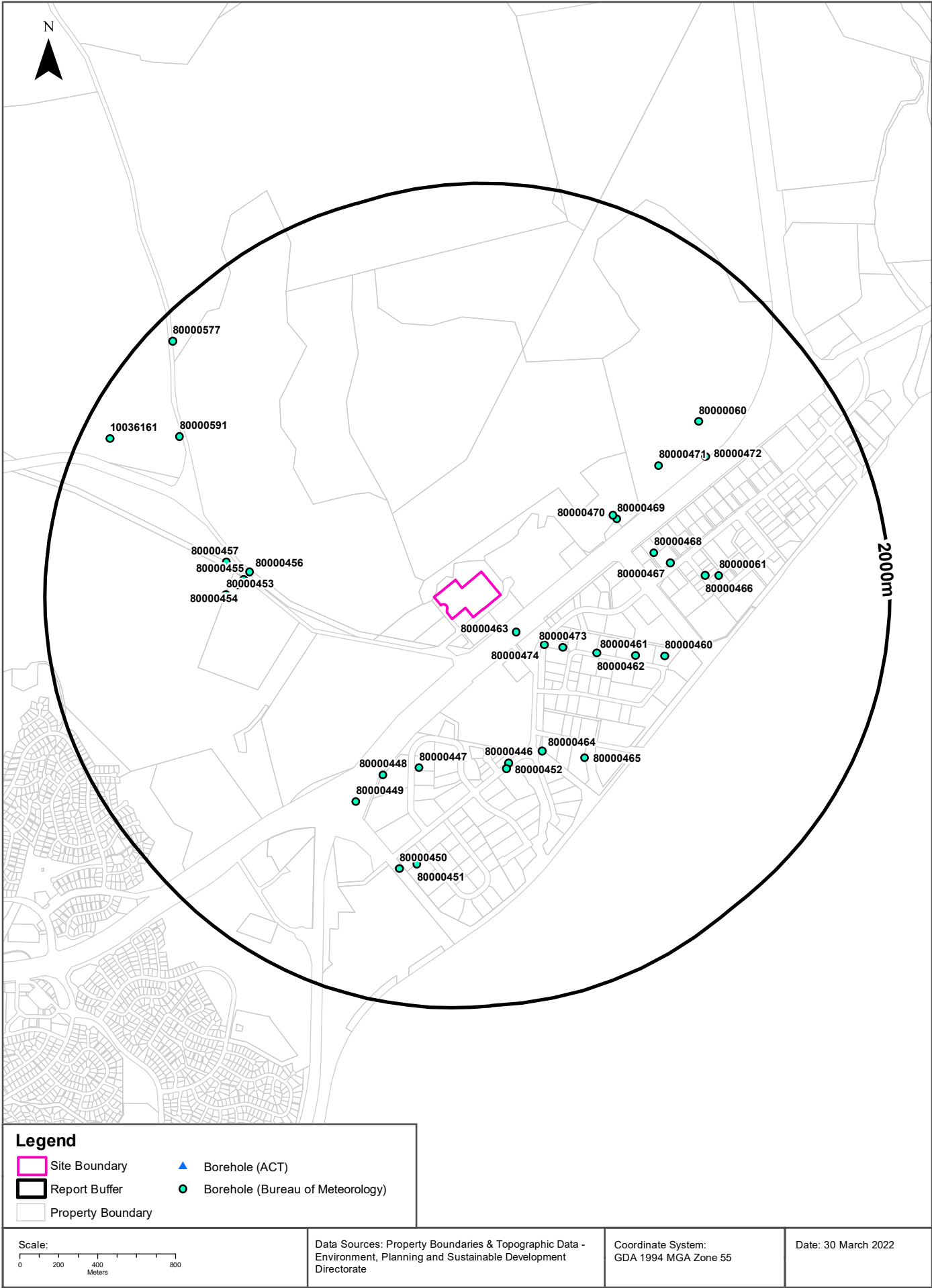
Description
Fractured or fissured, extensive aquifers of low to moderate productivity

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
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Hydrogeological Landscapes Units

Unit No	Landscape Name	Land Salinity	Stream Salinity	Stream EC	Salt Store	Salt Availability	Salt Mobility	Hazard Impact	Hazard Likelihood	Hazard Overall	Distance	Direction
24	Symonston	Low	Low	Low	Moderate	Moderate	Moderate	Limited	Moderate	Low	0m	Onsite

Hydrogeological Landscapes Units Data Source: ACT Government Creative Commons 4.0 ©
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Hydrogeology & Groundwater

Off John Cory Road, Hume, ACT 2620

Groundwater Boreholes (ACT)

Please note that this dataset does not include investigation and/or monitoring bores associated with possible contaminated sites in the search area. If you require more information please contact the Environmental Quality team via email environment.protection@act.gov.au or phone via Access Canberra 13 22 81.

Boreholes from an ACT Government Data Source within 2km of the site:

Bore Id	Bore Type	Method	Date	Bore Depth To	Bit Diameter	1st Water Intersection Depth From	1st Water Intersection Depth To	Final Static GW Level IM	1st Est Yield	Final Yield	Dist	Direction
N/A	No records in buffer											

Boreholes (ACT) Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Hydrogeology & Groundwater

Off John Cory Road, Hume, ACT 2620

Groundwater Boreholes (Bureau of Meteorology)

Boreholes (Bureau of Meteorology) within 2km of the site:

Hydro ID	State Bore ID	Drilled Date	Final Depth	Drilled Depth	Elevation	Distance	Direction
80000463	620		5.67	5.67	619.37	199m	South East
80000474	631		4.58	4.58	620.39	343m	South East
80000473	630		5.17	5.17	620.60	419m	South East
80000462	619		6.84	6.84	620.40	578m	South East
80000470	627		5.85	5.85	606.13	709m	North East
80000469	626		5.87	5.87	605.35	714m	North East
80000461	618		4.06	4.06	618.17	762m	East
80000446	603	11/06/1981	4.40	4.40	634.30	772m	South
80000464	621				634.30	775m	South East
80000447	604	11/06/1981	5.94	5.94	632.42	786m	South
80000452	609	22/06/1981	15.55	15.55	634.13	799m	South
80000468	625		5.75	5.75	607.25	819m	East
80000448	605	12/06/1981	9.20	9.20	633.47	879m	South West
80000467	624		5.71	5.71	607.56	890m	East
80000460	617		6.83	6.83	621.77	902m	East
80000465	622		4.30	4.30	635.27	923m	South East
80000456	613	19/06/1981	9.60	9.60	628.64	955m	West
80000455	612	18/06/1981	9.80	9.80	629.41	981m	West
80000454	611	18/06/1981	7.50	7.50	629.68	1009m	West
80000471	628		4.52	4.52	594.88	1051m	North East
80000466	623		5.41	5.41	608.41	1058m	East
80000449	606	16/06/1981	9.50	9.50	635.21	1062m	South West
80000453	610	17/06/1981	8.10	8.10	630.37	1069m	West
80000457	614	23/06/1981	15.55	15.55	631.35	1080m	West
80000061	48	14/08/1954	39.62	39.62	608.17	1128m	East
80000472	629		4.50	4.50	592.43	1272m	North East
80000451	608	17/06/1981	9.60	9.60	648.11	1275m	South
80000450	607	16/06/1981	6.24	6.24	649.39	1314m	South
80000060	47	01/01/1952	24.69	24.69	591.14	1353m	North East
80000591	780	02/12/1983	68.90	68.90	644.86	1546m	North West

Hydro ID	State Bore ID	Drilled Date	Final Depth	Drilled Depth	Elevation	Distance	Direction
10036161	GW020907	01/09/1952	25.90	25.90	657.17	1852m	North West
80000577	740	18/01/1983	22.86	22.86	651.72	1879m	North West

Borehole Data Source : © Commonwealth of Australia (Bureau of Meteorology) . Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Driller's Logs (Bureau of Meteorology)

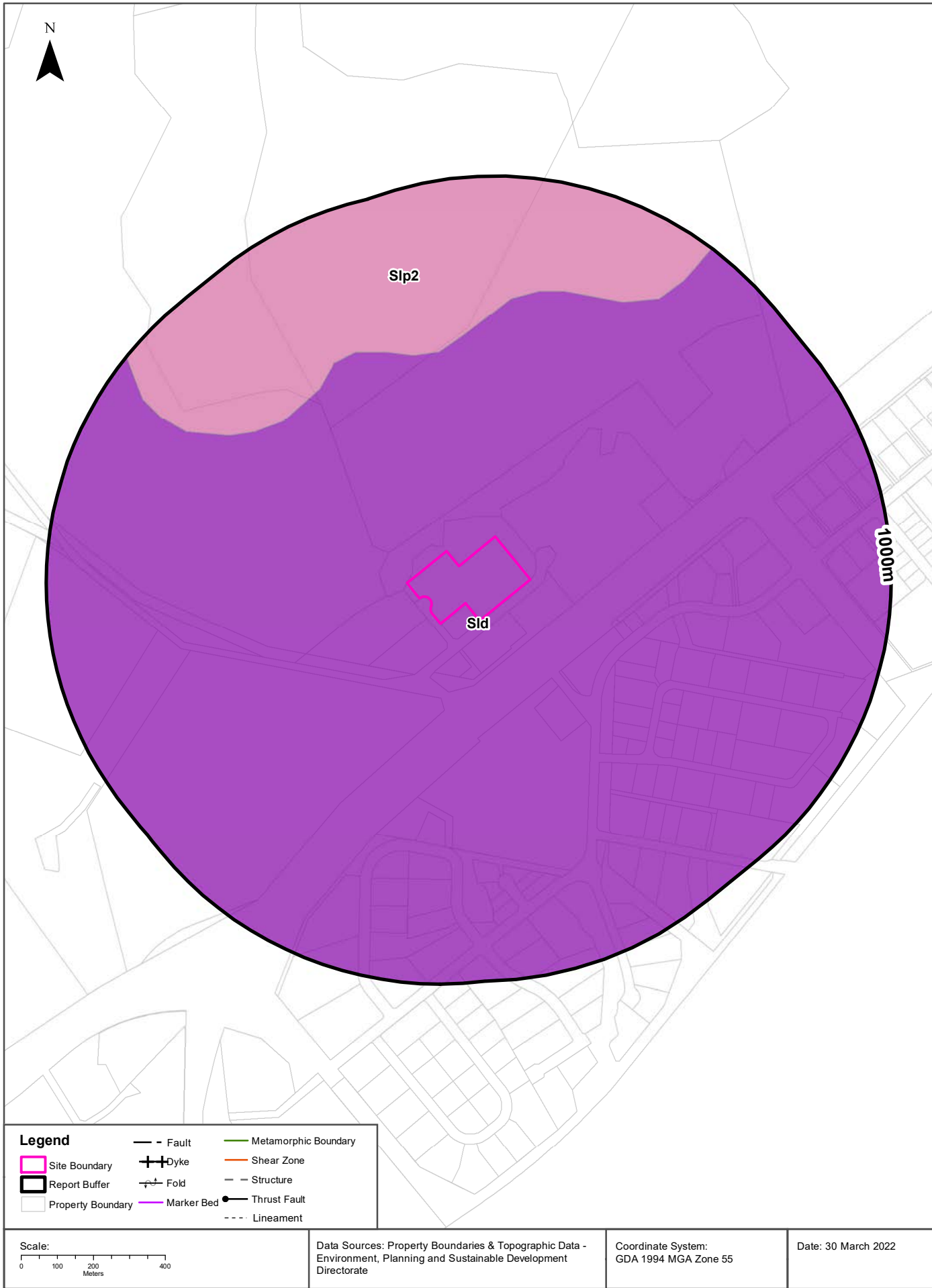
Drill log data relevant to the Boreholes (Bureau of Meteorology) within 2km of the site:

Hydro ID	State Bore ID	Drillers Log	Distance	Direction
80000446	603	0.00m-0.07m Brown coarse sandy gravel 0.07m-0.09m Light brown coarse sandy silt 0.09m-0.11m Light brown silty sand	772m	South
80000447	604	0.00m-0.01m Dark brown organic silt 0.01m-0.06m Bleached gravelly silt 0.06m-0.08m Yellow-grey mottled clay and feldspars 0.08m-0.13m Light brown gravelly silt 0.13m-0.13m Red and grey mottled clay 0.13m-0.15m Purple volcanic (dacite)	786m	South
80000452	609	0.00m-0.12m No core 0.12m-0.16m Coarse clayey gravel 0.16m-0.18m Pale grey heavy clay 0.18m-0.26m Moderately weathered purple dacite 0.26m-0.39m Slightly weathered purple dacite	799m	South
80000448	605	0.00m-0.01m Dark brown organic silt 0.01m-0.03m Poorly sorted clayey gravel 0.03m-0.04m Silty gravel 0.04m-0.08m Bleached silty clayey gravel 0.08m-0.15m Loose poorly sorted brown silty gravel 0.15m-0.18m Loose poorly sorted brown silty gravel 0.18m-0.22m Grey-brown mottled gravelly clay 0.22m-0.23m Bedrock - purple dacite	879m	South West
80000454	611	0.00m-0.01m Light grey silt 0.01m-0.04m Light grey clay with sequioxides and feldspars 0.04m-0.05m Poorly sorted gravelly clay 0.05m-0.13m Light brown clayey sand with sequioxide and quartz 0.13m-0.15m Olive clay 0.15m-0.16m Poorly sorted coarse sand 0.16m-0.19m Olive clay and yellow mottles	1009m	West
80000449	606	0.00m-0.01m Dark brown silt 0.01m-0.03m Light brown silty gravel 0.03m-0.08m Grey-brown mottled clayey silty gravel 0.08m-0.18m Light brown silt 0.18m-0.24m Pinky tan gravelly silt	1062m	South West
80000453	610	0.00m-0.01m Light grey fine sand and sediment rock fragments 0.01m-0.05m Light brown yellow fine sand and rock fragments 0.05m-0.10m Grey clay and some sequioxide stains and angular quartz 0.10m-0.14m Light grey clay and abundant carbonate nodules 0.14m-0.16m Grey yellow mottled gravelly clay 0.16m-0.18m Yellow brown fine sand 0.18m-0.19m Olive gravelly silt 0.19m-0.21m Extremely weathered dacite	1069m	West
80000457	614	0.00m-0.27m No core 0.27m-0.39m Moderately weathered grey dacite	1080m	West
80000451	608	0.00m-0.02m Red brown poorly sort sand 0.02m-0.09m Light brown poorly sort gravelly silt 0.09m-0.15m Light brown (more gravelly) silt 0.15m-0.21m Yellow brown clay and feldspars 0.21m-0.24m Pale red brown gravelly clay	1275m	South
80000450	607	0.00m-0.04m Light brown silt 0.04m-0.05m Yellow brown clay with feldspars 0.05m-0.11m Tan silty gravel 0.11m-0.13m Porous silty sandy fine gravel 0.13m-0.16m Pink gravelly silt	1314m	South

Hydro ID	State Bore ID	Drillers Log	Distance	Direction
80000060	47	0.00m-13.41m Clay or mud 13.41m-16.15m Sands on sandy clay 16.15m-16.46m Bedrock	1353m	North East
10036161	GW020907	0.00m-1.52m Humus clay yellow 1.52m-9.45m Quartz 9.45m-25.91m Water supply	1852m	North West
80000577	740	0.00m-0.05m Silt - grey 0.05m-0.39m Clayey silty sand - some extremely weathered rock fragments 0.39m-0.58m Coarse sand. Black-brown 0.58m-0.58m EOH bedrock	1879m	North West

Drill Log Data Source: © Commonwealth of Australia (Bureau of Meteorology) .

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Geology

Off John Cory Road, Hume, ACT 2620

Geological Units (1:250,000 scale)

What are the Geological Units onsite?

Symbol	Description	Unit Name	Group	Sub Group	Member	Era	Period	Dataset
Sld	Rhyodacitic ignimbrite and minor volcaniclastic and argillaceous sediments	Deakin Volcanics	Laidlaw Volcanic Suite			Palaeozoic	Silurian	1:250,000

What are the Geological Units within the report buffer?

Symbol	Description	Unit Name	Group	Sub Group	Member	Era	Period	Dataset
Sld	Rhyodacitic ignimbrite and minor volcaniclastic and argillaceous sediments	Deakin Volcanics	Laidlaw Volcanic Suite			Palaeozoic	Silurian	1:250,000
Slp2	Coarse grey rhyodacite porphyry, massive and foliated (associated with Laidlaw volcanic Suite)	Laidlaw Volcanics	Laidlaw Volcanic Suite			Palaeozoic	Silurian	1:250,000

Geological Structures (1:250,000 scale)

What are the Geological Structures onsite?

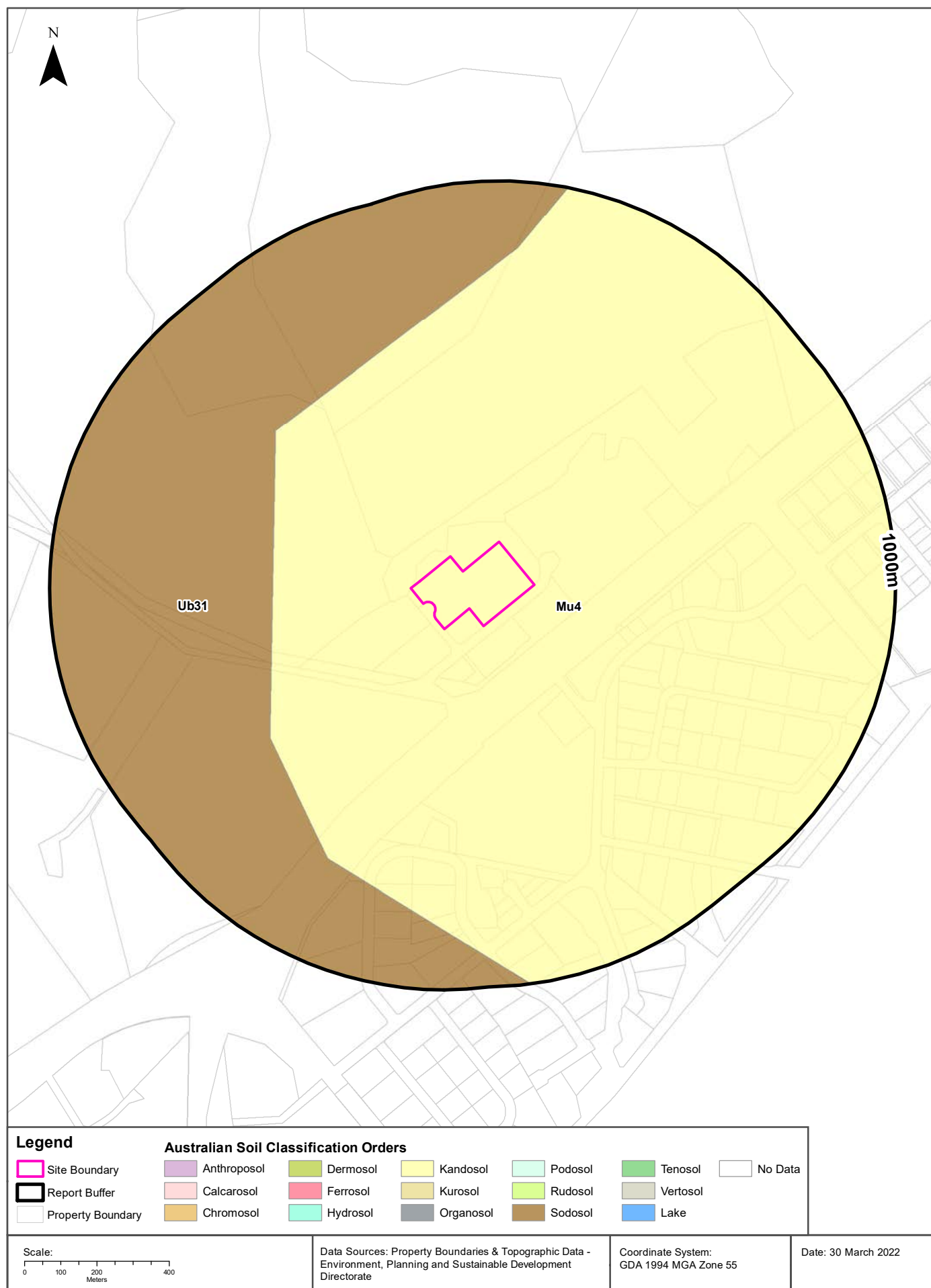
Feature	Name	Description	Map Sheet	Dataset
No features				1:250,000

What are the Geological Structures within the report buffer?

Feature	Name	Description	Map Sheet	Dataset
No features				1:250,000

Geological Data Source : NSW Department of Industry, Resources & Energy

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Soils

Off John Cory Road, Hume, ACT 2620

Atlas of Australian Soils

Australian soil types within the dataset buffer:

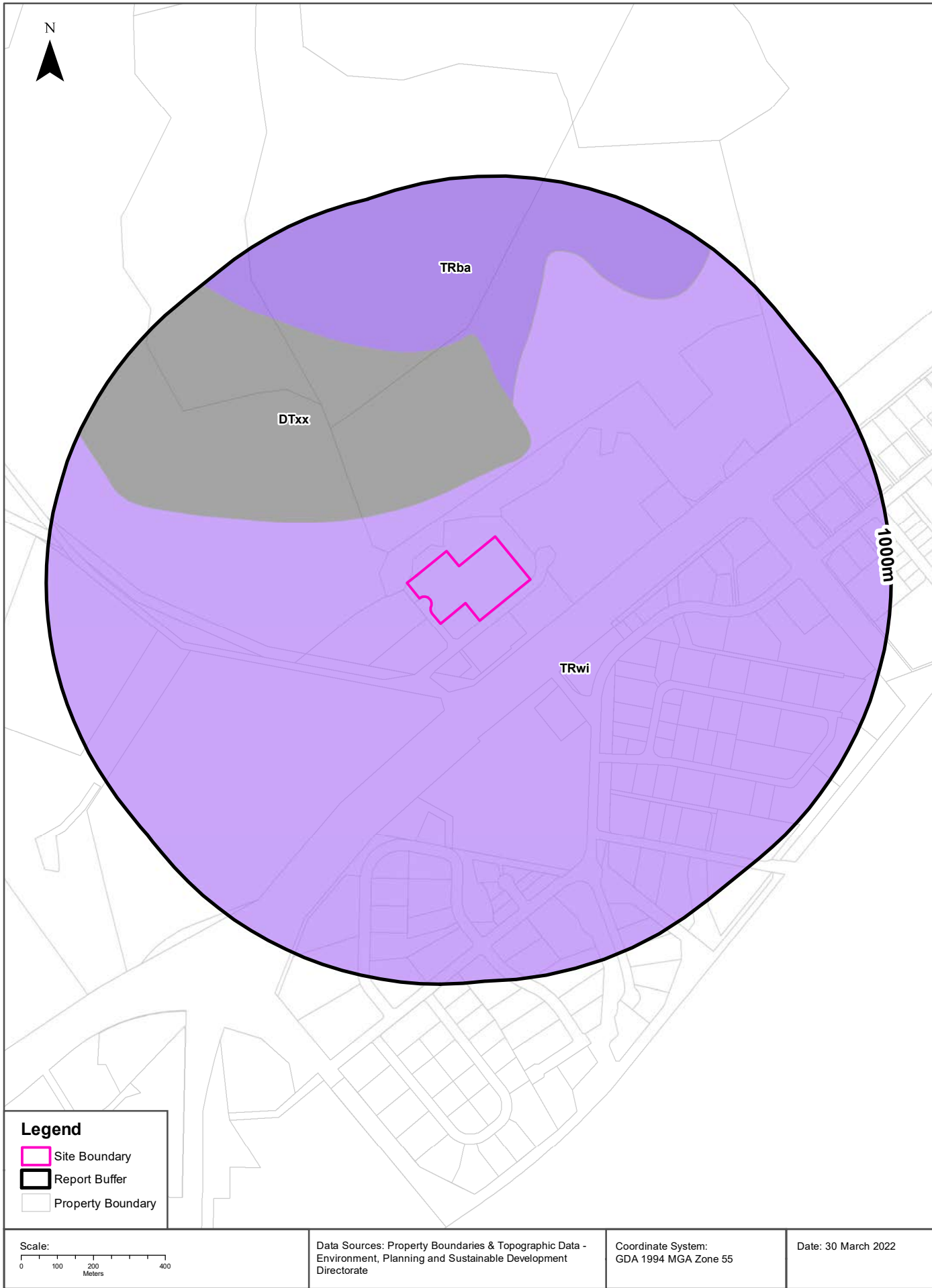
Symbol	Soil Order	Map Unit Description	Distance
Mu4	Kandosol	Gently to strongly undulating plains at moderate to low elevations (<2000 ft) with basins, stream terraces, and low residual hills and ridges; buried, layered soil materials are present: undulating plains of neutral leached red earths (Gn2.15) in the better-drained sites and yellow earths (Gn2.25) in intermediate drainage situations, with yellow leached earths (Gn2.75) often associated with hard neutral and/or alkaline yellow mottled soils (Dy3.42 and Dy3.43) in poorly drained areas, swampy sites, and seepage situations--all often with heavy clay D horizons below the solum. Associated are: low residual hills and ridges of (Dr2.22 and Dr2.42) or (Dy3.22 and Dy3.42) soils, with small areas of (Um4.2) soils and rock outcrops; basins of (Gn2.15 and Gn2.25) or (Dy3.42) soils; and stream terraces of variable width and development with (Um1) soils on present flood-plains, (Um6.11) soils on the youngest terraces, (Gn2.15, Gn2.25, and Gn2.75) in drainage sequence from well-drained to poorly drained sites on the next, and most extensive, terrace, adjacent to which sand sheets of (Uc1.2) soils may occur; (Dr2.42), (Dy3.42), and (Dy3.43) soils on remnants of the highest terrace, above which gravel fills and ironstone slabs may occur.	0m
Ub31	Sodosol	Low step-like range country--stepped rolling country with scarps, hills, and valleys: chief soils are hard neutral yellow and yellow mottled soils (Dy3.42), (Dy2.42), (Dy2.22), and (Dy3.22) with a variety of other (D) soils and some (Gn2) and (Um4) soils, generally associated as follows: irregularly spaced cuesta-like ranges with (i) moderate to steep scarps of rock outcrops, (Um4.1), (Dr3.42), (Dr2.22), and other (D) soils passing to (iia) long rolling back slopes of (Dy3.42), (Dy2.42), (Dy3.22) with (Dr2.22 and Dr2.42) and sometimes (Gn2.1 and Gn2.2) soils through the mid and upper slope positions, which in turn merge with (iib) undulating basins of (Dy3.42 and Dy3.43) soils sometimes with (Gn2.7) soils, and gullies of (Dy3.42) and/or (Gn2.7) and (Gn2.9) soils; this sequence may be broken by (iii) hills and mountains with slopes and/or scarps of (Um4.1), (Um4.2), (Dr2.21), (Dy3.41), and other (D) soils, also sometimes with belts of partially dissected upland basins of (Dy3.42) soils along the crests--i.e. with areas similar to (iib) but at a relatively higher elevation (compare unit Ub38); the whole area is traversed by (iv) narrow stream valleys of (Um1) soils on flood-plains, (Um6.11) and (Gn2) soils respectively on the next two terraces; and finally there are (v) minor occurrences of other soils, such as (Dr4.12) (e.g. Red Hill) and (Db3.12) on some basaltic areas. Saline patches are fairly common in low-lying situations, especially the (iib) areas.	384m

Atlas of Australian Soils: CSIRO

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Soil Landscapes

Off John Cory Road, Hume, ACT 2620



Soils

Off John Cory Road, Hume, ACT 2620

Soil Landscapes

What are the onsite Soil Landscapes?

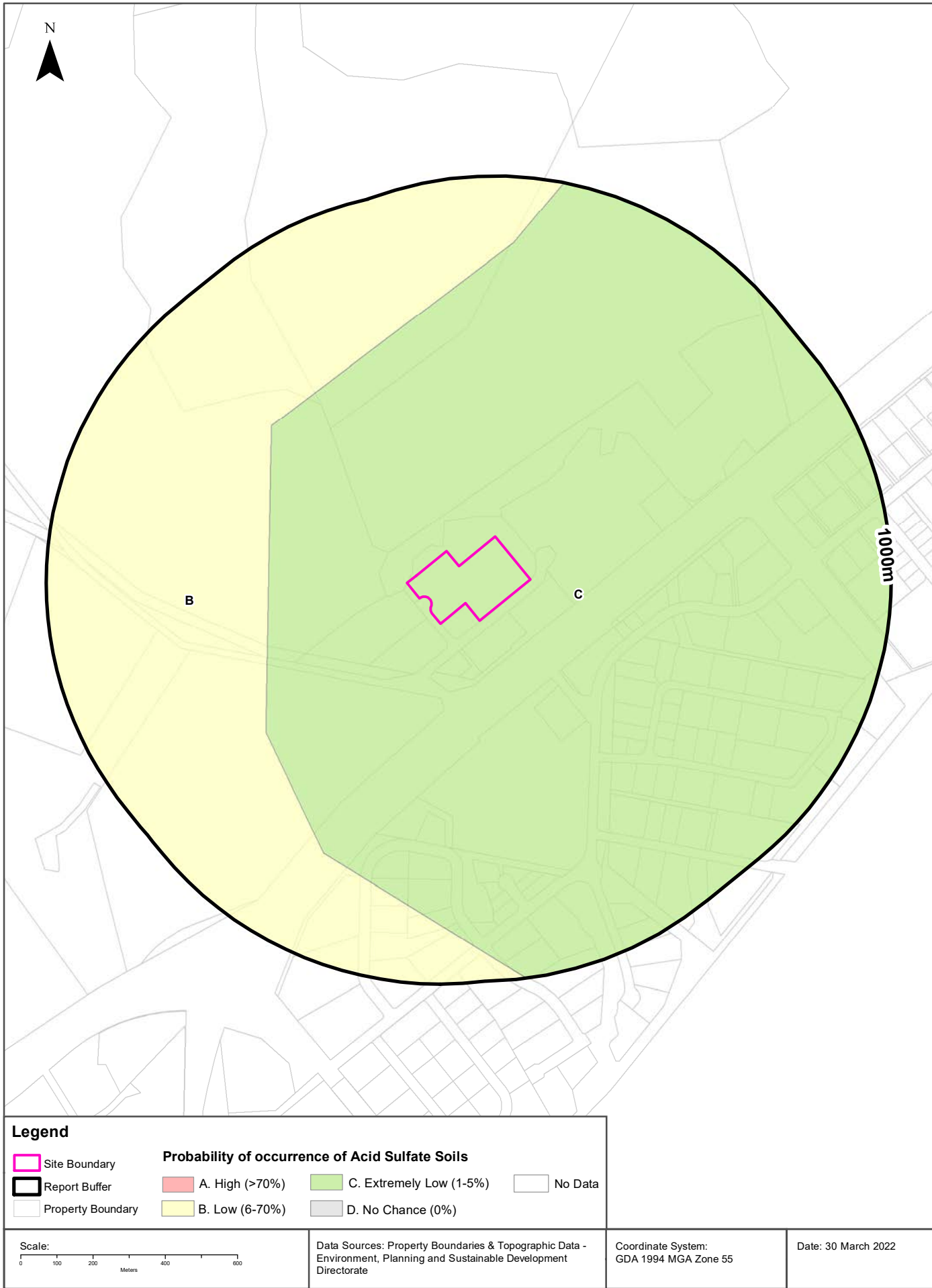
Soil Code	Name	Group	Process	Map Sheet	Scale
TRwi	WILLIAMSDALE		TRANSFERRAL	Canberra	1:100,000

What are the Soil Landscapes within the report buffer?

Soil Code	Name	Group	Process	Map Sheet	Scale
DTxx	DISTURBED TERRAIN		DISTURBED TERRAIN	Canberra	1:100,000
TRba	BURRA		TRANSFERRAL	Canberra	1:100,000
TRwi	WILLIAMSDALE		TRANSFERRAL	Canberra	1:100,000

Soils Landscapes Data Source : NSW Office of Environment and Heritage

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Acid Sulfate Soils

Off John Cory Road, Hume, ACT 2620

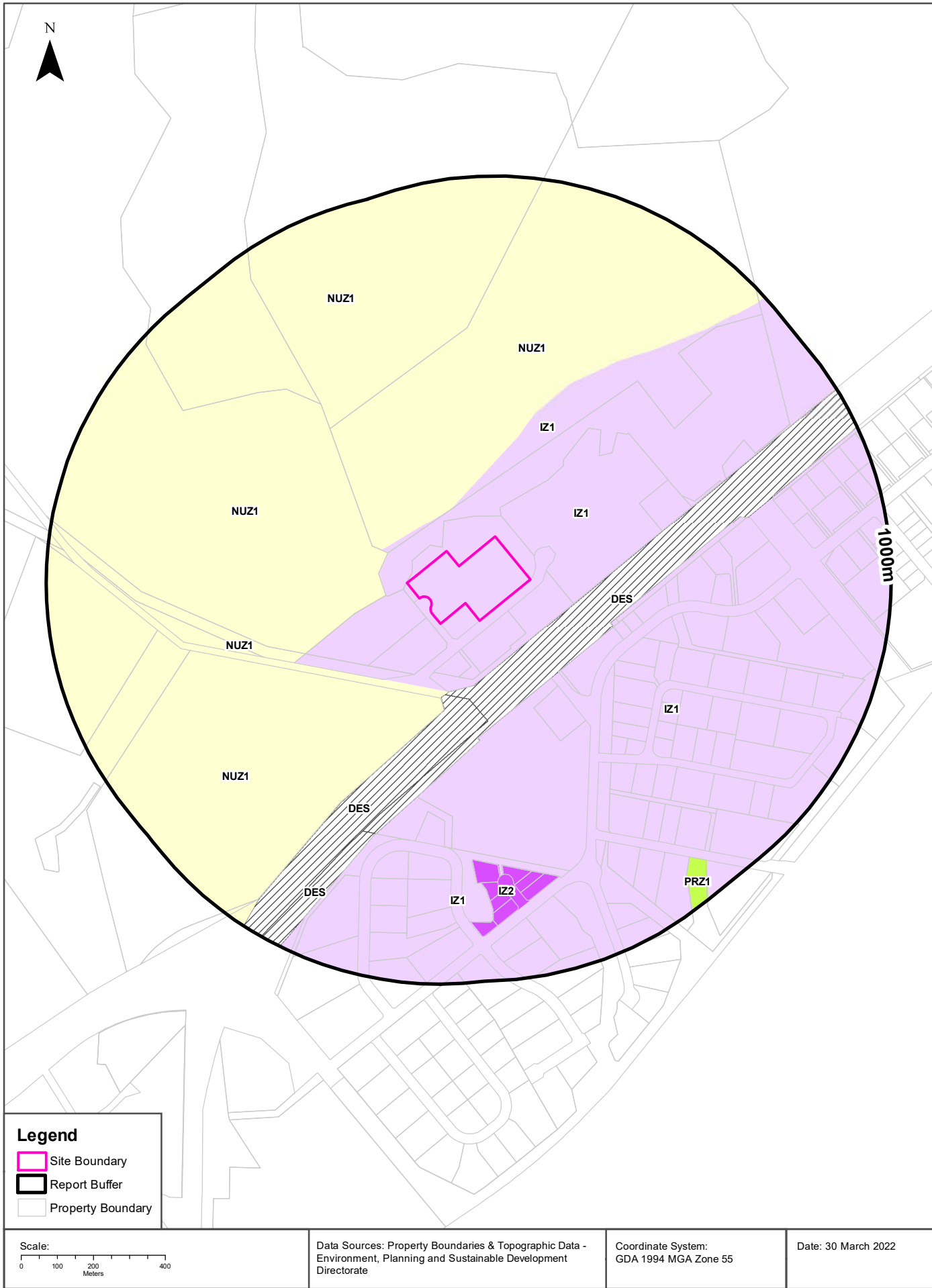
Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

Class	Description	Distance
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m
B	Low Probability of occurrence. 6-70% chance of occurrence.	385m

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Planning

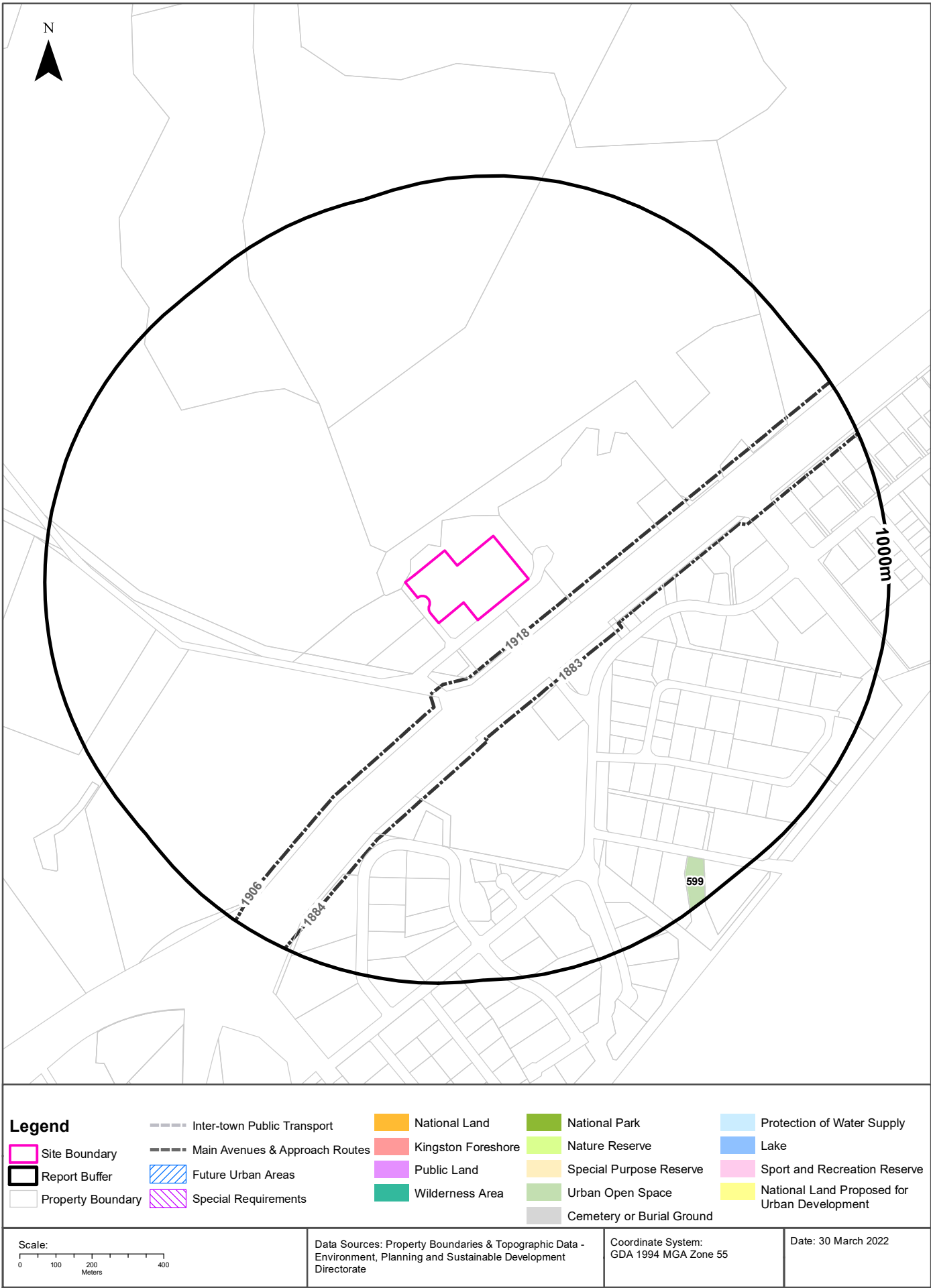
Off John Cory Road, Hume, ACT 2620

Territory Plan Zones

What Plan Zones exist within the report buffer?

Zone Code	Zone Name	Description	Variation	Gazettal Name	Gazettal Date	Distance	Direction
IZ1	GENERAL INDUSTRY		TP 2008	NI2008-27	31/03/2008	0m	Onsite
IZ1	GENERAL INDUSTRY		TP 2008	NI2008-27	31/03/2008	1m	North East
NUZ1	BROADACRE		TP 2008	NI2008-27	31/03/2008	65m	North West
NUZ1	BROADACRE		TP 2008	NI2008-27	31/03/2008	94m	North East
DES	DESIGNATED		TP 2008	NI2008-27	31/03/2008	126m	North East
NUZ1	BROADACRE		TP 2008	NI2008-27	31/03/2008	180m	North
NUZ1	BROADACRE		TP 2008	NI2008-27	31/03/2008	190m	West
DES	DESIGNATED		TP 2008	NI2008-27	31/03/2008	196m	South
IZ1	GENERAL INDUSTRY		TA2009-37	NI2009-570	22/01/2010	246m	East
IZ1	GENERAL INDUSTRY		TA2009-37	NI2009-570	13/11/2009	604m	South
DES	DESIGNATED		TP 2008	NI2008-27	31/03/2008	607m	South West
IZ2	INDUSTRIAL MIXED USE		312	CN2012-16	06/12/2012	659m	South
PRZ1	URBAN OPEN SPACE		TA2009-37	NI2009-570	13/11/2009	874m	South East

Territory Plan Zones Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>



Planning

Off John Cory Road, Hume, ACT 2620

Territory Plan Overlays (areas)

What Plan Overlays (areas) exist within the report buffer?

Id	Overlay Code	Overlay Name	Variation	Gazettal Name	Distance	Direction
599	Pe	Urban Open Space.	TP 2008	NI2008-27	874m	South East

Territory Plan Overlays (lines)

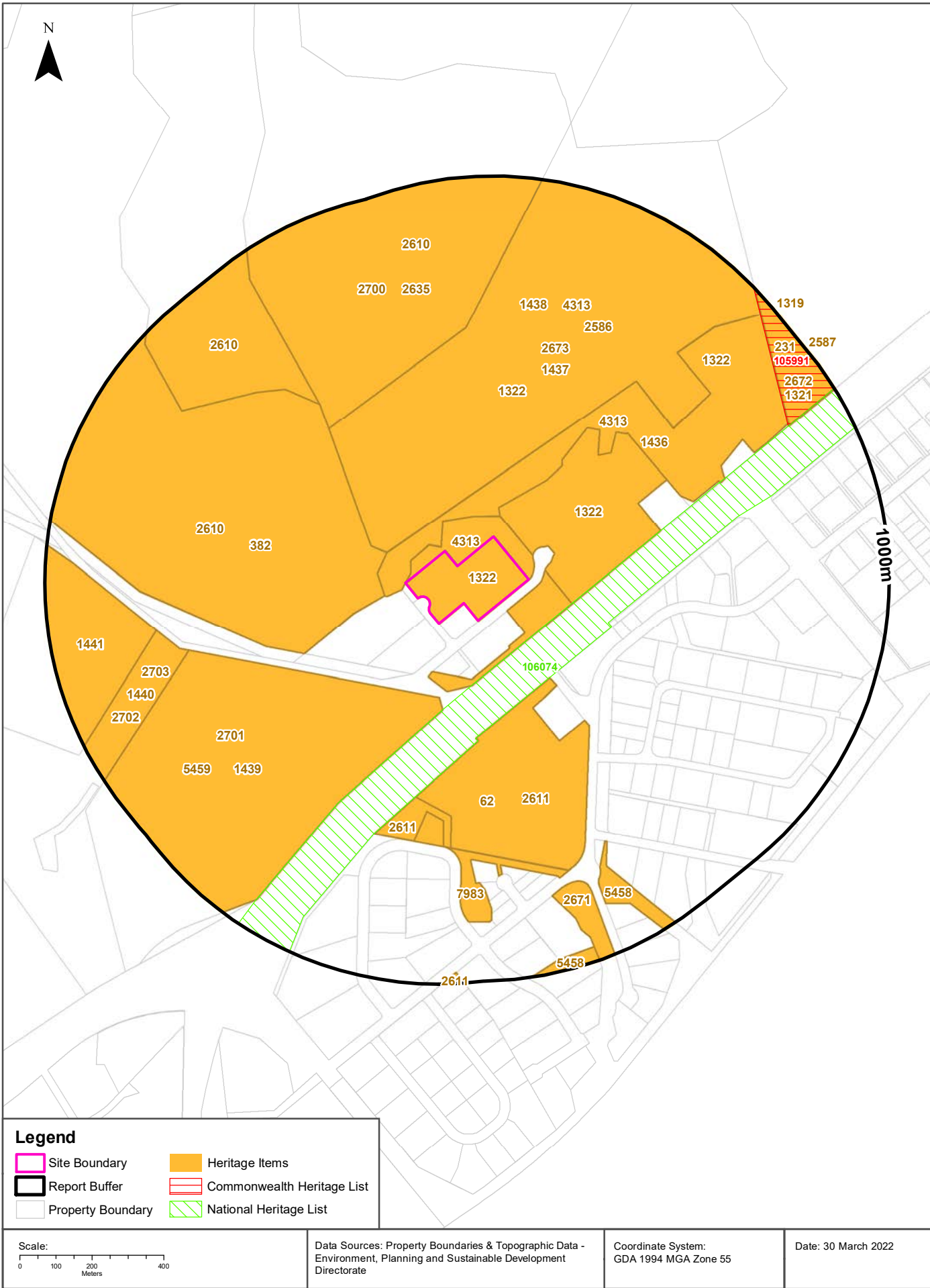
What Plan Overlays (lines) exist within the report buffer?

Id	Overlay Code	Overlay Name	Variation	Gazettal Name	Distance	Direction
1918	MAAR	Main Avenues and Approach Routes	TP 2008	NI2008-27	107m	North East
1906	MAAR	Main Avenues and Approach Routes	TP 2008	NI2008-27	192m	South West
1883	MAAR	Main Avenues and Approach Routes	TP 2008	NI2008-27	267m	North East
1884	MAAR	Main Avenues and Approach Routes	TP 2008	NI2008-27	607m	South West

Territory Plan Overlay Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Heritage Items

Off John Cory Road, Hume, ACT 2620



Heritage

Off John Cory Road, Hume, ACT 2620

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
105991	Natural Areas around and within Majura, Pialligo and Jerrabomberra	Majuar Rd, Majura ACT	8/01/000/0132	Natural	Nominated place		837m	North

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?

Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
106074	Canberra and Surrounding Areas	Northbourne Av, Canberra ACT	8/01/000/0134	Historic	Nominated place		128m	South West

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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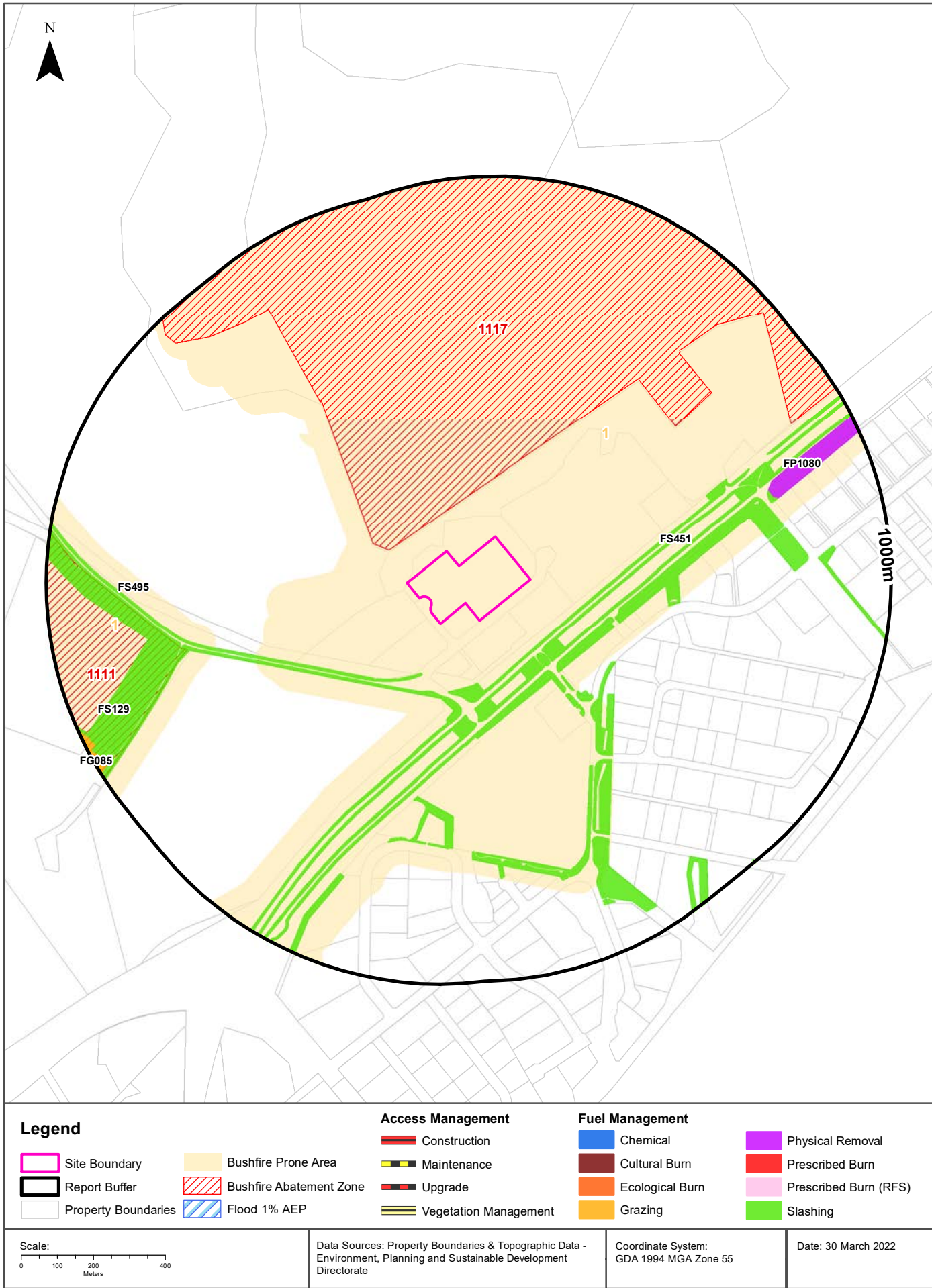
Heritage Sites

What Heritage Sites exist within the report buffer?

Map Id	Heritage Id	Name	Description	Status	Status Date	Location Type	Block Key	District	Division	Dist	Dir
1322	1166	HUME PAD 4		Final Registration	09/03/2005	Restricted	88020260005	JERRABOMBERRA	HUME	0m	Onsite
1322	1166	HUME PAD 4		Final Registration	09/03/2005	Restricted	88020260007	JERRABOMBERRA	HUME	0m	North
4313	1020	Hume Paleontological Site		Final Registration		Restricted	88020260007	JERRABOMBERRA	HUME	0m	North
4313	1020	Hume Paleontological Site		Final Registration		Restricted	88020230029	JERRABOMBERRA	HUME	1m	North East
1322	1166	HUME PAD 4		Final Registration	09/03/2005	Restricted	88020230029	JERRABOMBERRA	HUME	1m	North East
1436	2029	HA PAD 4		Final Registration	08/03/2005	Restricted	88020230029	JERRABOMBERRA	HUME	1m	North East
1322	1166	HUME PAD 4		Final Registration	09/03/2005	Restricted	88020270007	JERRABOMBERRA	HUME	27m	South East
1322	1166	HUME PAD 4		Final Registration	09/03/2005	Restricted	88020230028	JERRABOMBERRA	HUME	49m	North East
2610	1166	HA13		Final Registration	09/03/2005	Restricted	80000002114	JERRABOMBERRA		66m	North West
382	278	Savannah Woodland		Nominated for Provisional Registration		Restricted	80000002114	JERRABOMBERRA		66m	North West

Map Id	Heritage Id	Name	Description	Status	Status Date	Location Type	Block Key	District	Division	Dist	Dir
4313	1020	Hume Paleontological Site		Final Registration		Restricted	88020230024	JERRABOMBERRA	HUME	87m	North
1437	1166	HA4		Final Registration	09/03/2005	Restricted	88020230024	JERRABOMBERRA	HUME	87m	North
2673	1166	HA5		Final Registration	09/03/2005	Restricted	88020230024	JERRABOMBERRA	HUME	87m	North
1438	1166	HA6		Final Registration	09/03/2005	Restricted	88020230024	JERRABOMBERRA	HUME	87m	North
2586	1166	HA7		Final Registration	09/03/2005	Restricted	88020230024	JERRABOMBERRA	HUME	87m	North
1322	1166	HUME PAD 4		Final Registration	09/03/2005	Restricted	88020230024	JERRABOMBERRA	HUME	87m	North
2701	2029	HA14		Final Registration	08/03/2005	Restricted	60000001694	TUGGERANO NG		201m	South West
1439	2029	HA15		Final Registration	08/03/2005	Restricted	60000001694	TUGGERANO NG		201m	South West
5459	2029	Hume PAD 6		Final Registration	08/03/2005	Restricted	60000001694	TUGGERANO NG		201m	South West
2611	1166	HUME PAD 1		Final Registration	09/03/2005	Restricted	88020080006	JERRABOMBERRA	HUME	247m	South
62	250	Travelling Stock Route	Section 8 Block 3	Nominated for Provisional Registration		Historic		Various	HUME	247m	South
2700	1166	HA10		Final Registration	09/03/2005	Restricted	80000002248	JERRABOMBERRA		464m	North
2610	1166	HA13		Final Registration	09/03/2005	Restricted	80000002248	JERRABOMBERRA		464m	North
2635	1166	HUME PAD 2		Final Registration	09/03/2005	Restricted	80000002248	JERRABOMBERRA		464m	North
2611	1166	HUME PAD 1		Final Registration	09/03/2005	Restricted	88020080005	JERRABOMBERRA	HUME	484m	South
2610	1166	HA13		Final Registration	09/03/2005	Restricted	80000002247	JERRABOMBERRA		534m	North West
7983	2701	Tralee and Couranga Homesteads	Section 21 Block 3, 4 and 6	Final Registration		Historic		TUGGERANO NG	HUME	617m	South
1440	2029	HA16		Final Registration	08/03/2005	Restricted	60000001695	TUGGERANO NG		629m	West
2702	2029	HA18		Final Registration	08/03/2005	Restricted	60000001695	TUGGERANO NG		629m	West
2703	2029	HA19		Final Registration	08/03/2005	Restricted	60000001695	TUGGERANO NG		629m	West
2671	2029	HA2		Final Registration	08/03/2005	Restricted	68020220088	TUGGERANO NG	HUME	703m	South
5458	2029	Hume PAD 5		Final Registration	08/03/2005	Restricted	68020220088	TUGGERANO NG	HUME	703m	South
1441	2029	HA17		Final Registration	08/03/2005	Restricted	60000001676	TUGGERANO NG		703m	West
1321	1166	HUME PAD 3		Final Registration	09/03/2005	Restricted	88020170008	JERRABOMBERRA	HUME	836m	North East
2672	1166	HA3		Final Registration	09/03/2005	Restricted	88020170008	JERRABOMBERRA	HUME	836m	North East
1319	1166	HA8		Final Registration	09/03/2005	Restricted	88020170008	JERRABOMBERRA	HUME	836m	North East
2587	1166	HA9		Final Registration	09/03/2005	Restricted	88020170008	JERRABOMBERRA	HUME	836m	North East
231	139	Woden Homestead and grasslands	Section 17 Block 4 and 6 (part)	Final Registration		Historic		JERRABOMBERRA	HUME	837m	North East
5458	2029	Hume PAD 5		Final Registration	08/03/2005	Restricted	68020220068	TUGGERANO NG	HUME	959m	South
2611	1166	HUME PAD 1		Final Registration	09/03/2005	Restricted	60000001210	TUGGERANO NG		968m	South

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Natural Hazards

Off John Cory Road, Hume, ACT 2620

Bushfire Prone Areas

What Bushfire Prone Areas exist within the report buffer?

Feature Id	Description	Distance	Direction
1	Bushfire Prone Areas ACT	0m	Onsite

Bushfire Prone Area Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Bushfire Abatement Zones

What Bushfire Abatement Zones exist within the report buffer?

Feature Id	Feature	Distance	Direction
1117	Bushfire Abatement Zone	92m	North
1111	Bushfire Abatement Zone	636m	West

Bushfire Abatement Zone Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Bushfire Operational Plan - Access Management

What Bushfire Operational Plan - Access Management exist within the report buffer?

Map Id	Treatment	Distance	Direction
N/A	No records within buffer		

Bushfire Operational Plan Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Bushfire Operational Plan - Fuel Management

What Bushfire Operational Plan - Fuel Management exist within the report buffer?

Unique Id	Treatment	Hectares	Distance	Direction
FS451	Slashing	36.13	148m	North East
FS495	Slashing	51.67	385m	North
FS129	Slashing	23.18	631m	West
FP1080	Physical Removal	5.10	704m	North East
FG085	Grazing	71.76	967m	South West

Bushfire Operational Plan Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Flood (1 Percent Annual Exceedance Probability)

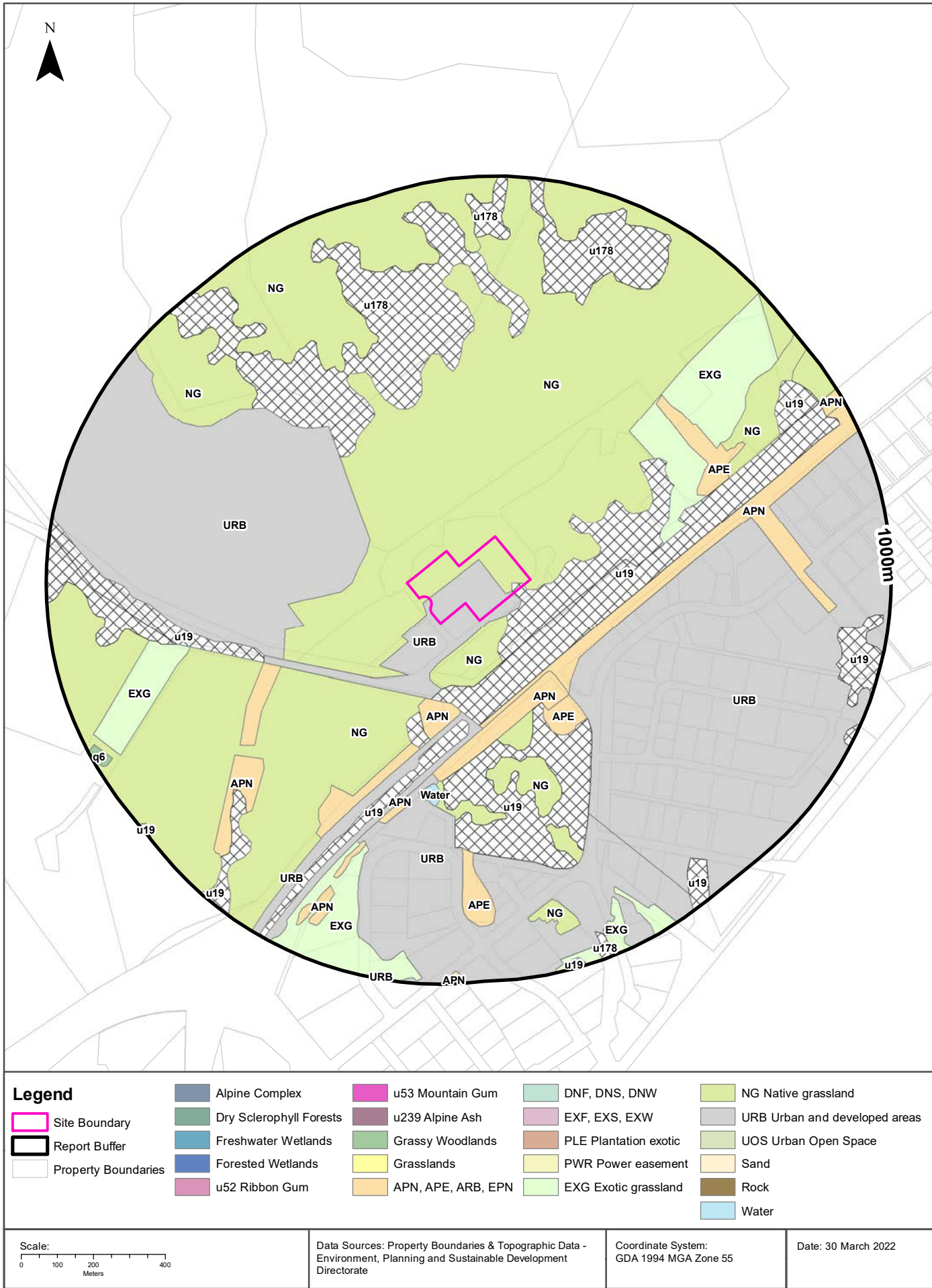
What Flood zone (1% AEP) exists within the report buffer?

Feature Id	Description	Distance	Direction
N/A	No records within buffer		

Flood Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Ecological Constraints - Vegetation Communities

Off John Cory Road, Hume, ACT 2620



Ecological Constraints

Off John Cory Road, Hume, ACT 2620

Vegetation Communities

What Vegetation Communities exist within the report buffer?

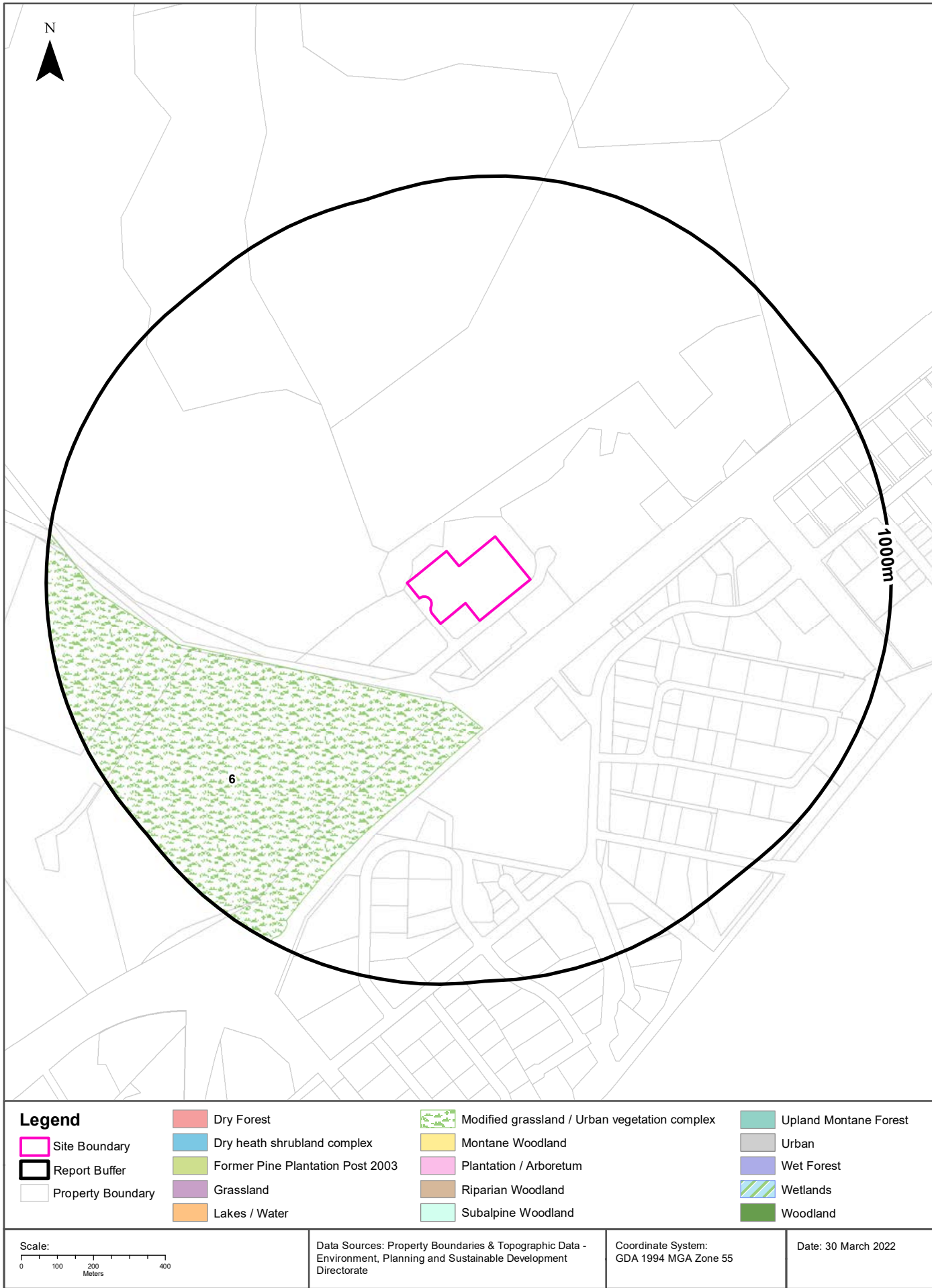
UMC Id	Community	Formation	"Keith" Vegetation Class	Mean Height	Canopy Cover	Distance	Direction
NG	Native grassland_NG			8.48	1.24	0m	Onsite
URB	Urban and developed areas_URB			9.25	3.80	0m	Onsite
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	10.01	11.92	0m	Onsite
NG	Native grassland_NG			9.27	2.80	15m	South
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	7.74	16.23	121m	East
URB	Urban and developed areas_URB			7.30	0.96	139m	North West
NG	Native grassland_NG			8.89	1.06	210m	West
APN	Amenity planting native_APN			7.39	18.78	210m	South
APN	Amenity planting native_APN			7.34	17.88	214m	North East
APN	Amenity planting native_APN			7.19	24.67	227m	South
URB	Urban and developed areas_URB			7.21	0.66	246m	South West
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	8.92	11.58	250m	South
URB	Urban and developed areas_URB			8.07	3.22	251m	East
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	8.33	40.31	272m	South West
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	8.91	24.34	282m	South
NG	Native grassland_NG			5.16	0.53	283m	South
APE	Amenity planting exotic_APE			8.70	28.91	295m	South East
APN	Amenity planting native_APN			6.33	13.66	340m	South West
EXG	Exotic grassland_EXG			9.71	4.29	375m	North East
u178	Yellow Box ± Apple Box tall grassy woodland_u178	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	9.67	15.96	376m	North West
NG	Native grassland_NG			6.93	0.70	383m	South
URB	Urban and developed areas_URB			6.78	0.38	416m	South
APN	Amenity planting native_APN			8.47	49.63	419m	South West
NG	Native grassland_NG			4.90	0.31	435m	South
Water	Water			4.05	0.83	443m	South
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	8.00	25.73	444m	West
APN	Amenity planting native_APN			6.63	35.05	485m	South
APE	Amenity planting exotic_APE			7.93	29.90	517m	North East
NG	Native grassland_NG			8.96	0.73	575m	North West
NG	Native grassland_NG			3.93	0.51	595m	South

UMC Id	Community	Formation	"Keith" Vegetation Class	Mean Height	Canopy Cover	Distance	Direction
NG	Native grassland_NG			7.74	4.16	616m	North East
APN	Amenity planting native_APN			7.20	39.44	619m	South West
APE	Amenity planting exotic_APE			7.17	30.85	624m	South
EXG	Exotic grassland_EXG			8.15	21.72	626m	West
APN	Amenity planting native_APN			3.89	13.46	638m	South West
EXG	Exotic grassland_EXG			7.83	0.55	645m	South
NG	Native grassland_NG			9.22	0.60	647m	North West
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	7.97	11.02	660m	West
u178	Yellow Box ± Apple Box tall grassy woodland_u178	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	9.02	29.15	685m	North
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	8.14	15.18	724m	South West
APN	Amenity planting native_APN			4.30	17.79	787m	South West
NG	Native grassland_NG			5.20	5.67	796m	South
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	8.43	21.31	797m	North East
EXG	Exotic grassland_EXG			5.82	0.19	824m	South East
APN	Amenity planting native_APN			4.47	17.86	855m	South West
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	10.43	9.09	862m	East
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	9.75	36.52	878m	South East
u178	Yellow Box ± Apple Box tall grassy woodland_u178	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	10.15	24.73	917m	South
APN	Amenity planting native_APN			5.54	13.44	934m	North East
q6	Red Box tall grass-shrub woodlands primarily on hillslopes and footslopes in the Australian Capital Territory_q6	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	8.80	10.17	950m	West
APN	Amenity planting native_APN			6.79	24.24	963m	South
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	9.84	21.09	972m	South
u19	Blakely's Red Gum – Yellow Box tall grassy woodland_u19	GRASSY WOODLANDS	Southern Tableland Grassy Woodlands	8.69	14.99	982m	South West
APN	Amenity planting native_APN			7.64	37.52	997m	South West

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Ecological Constraints - Vegetation Subformation

Off John Cory Road, Hume, ACT 2620



Ecological Constraints

Off John Cory Road, Hume, ACT 2620

Vegetation Subformation

What Vegetation Subformations exist within the report buffer?

Object Id	Subformation	Distance	Direction
6	Modified grassland / Urban vegetation complex	210m	North

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Ecological Constraints - Threatened Woodland, Wetlands & Tree Register

Off John Cory Road, Hume, ACT 2620



Ecological Constraints

Off John Cory Road, Hume, ACT 2620

Threatened Woodland

What ACT Listed Threatened Woodland exists within the report buffer?

Feature Id	Community	EPBCStatus	ACT Status	Distance	Direction
11416	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	0m	Onsite
9163	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	0m	Onsite
9169	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	0m	East
9233	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	1m	North East
9160	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	15m	South
9154	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	129m	South
9156	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	210m	South West
9150	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	235m	South West
11370	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	250m	South
11369	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	272m	South West
11372	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	282m	South
10696	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	376m	North West
11418	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	444m	West
9186	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	616m	North East
9192	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	645m	North East
10732	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	685m	North
9198	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	716m	North East
11361	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	724m	South West
9184	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	805m	West
11387	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	862m	East

Feature Id	Community	EPBCStatus	ACT Status	Distance	Direction
11355	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	878m	South East
10667	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	917m	South
11348	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	972m	South
9142	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	977m	South West
11357	Potential Yellow Box Blakely's Red Gum Grassy Woodland	Potentially threatened, field	Potentially threatened, field inspection required	982m	South West

Threatened Woodland Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Tree Register

What Trees on the ACT register exists within the report buffer?

Feature Id	Genus	Species	Tree Ref	Tree Height	Status	Date Edit	Distance	Direction
107	Eucalyptus	melliodora	PTR049	0.0	REGISTERED		925m	South East

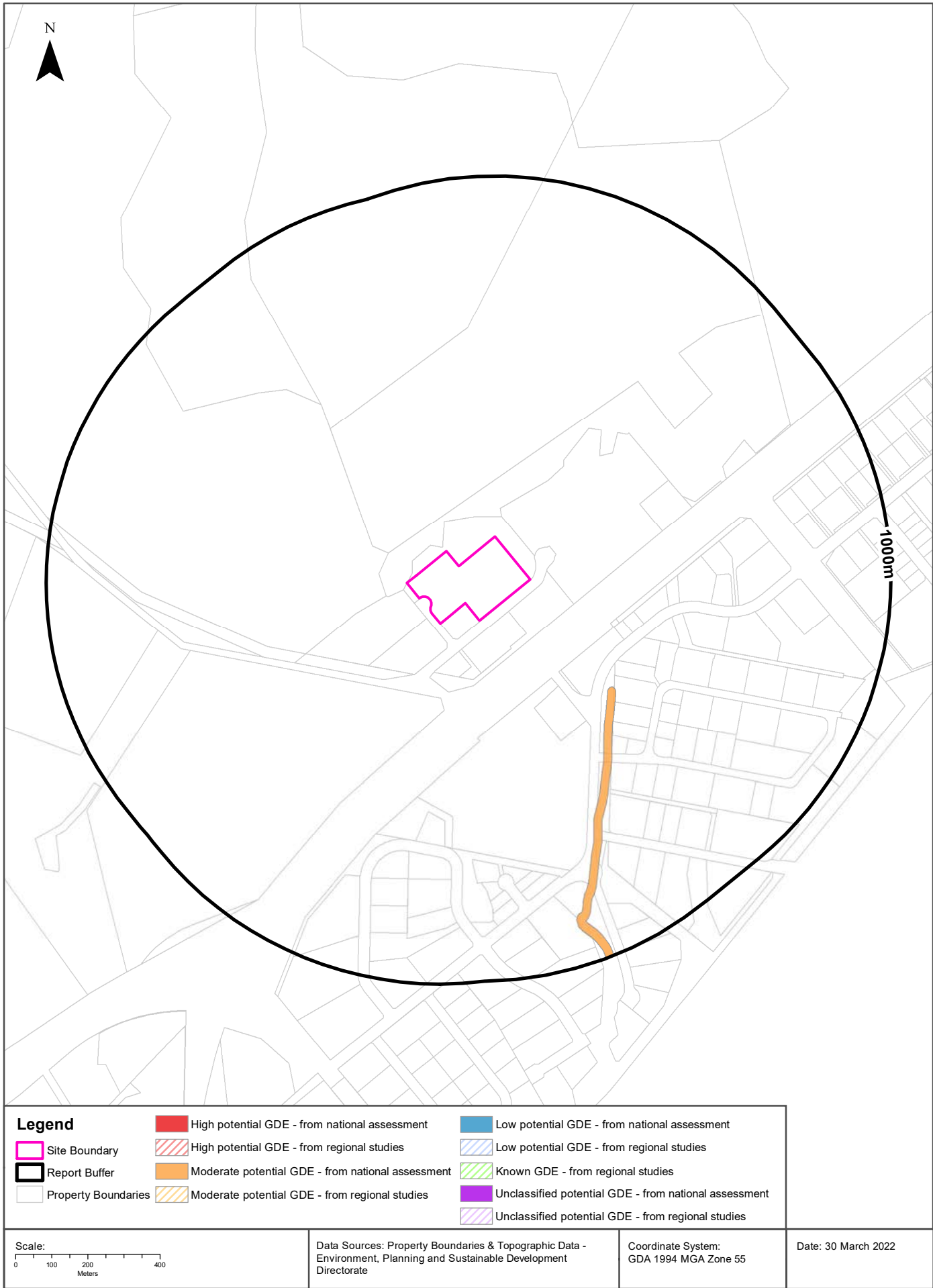
Tree Register Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>

Important Wetlands

What Wetlands exist within the report buffer?

Feature Id	Name	Distance	Direction
N/A	No records within buffer		

Important Wetlands Data Source: ACT Government Creative Commons 4.0 © <https://creativecommons.org/licenses/by/4.0/>



Ecological Constraints

Off John Cory Road, Hume, ACT 2620

Groundwater Dependent Ecosystems Atlas

GDEs within the dataset buffer:

Type	Name	GDE Potential	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Aquatic		Moderate potential GDE - from national assessment	3	Upland plains with separating strike-aligned hills, closed lake basins.	River		370m	South

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology

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Ecological Constraints

Off John Cory Road, Hume, ACT 2620

NSW BioNet Atlas

Species on the NSW BioNet Atlas that have a NSW or federal conservation status, a NSW sensitivity status, or are listed under a migratory species agreement, and are within 10km of the site?

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status
Fauna	Amphibia	Litoria aurea	Green and Golden Bell Frog	Endangered, Protected		Vulnerable
Fauna	Amphibia	Litoria raniformis	Southern Bell Frog	Endangered, Protected		Vulnerable
Fauna	Aves	Chthonicola sagittata	Speckled Warbler	Vulnerable, Protected		
Fauna	Aves	Circus assimilis	Spotted Harrier	Vulnerable, Protected		
Fauna	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable, Protected		
Fauna	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable, Protected		
Fauna	Aves	Botaurus poiciloptilus	Australasian Bittern	Endangered, Protected		Endangered
Fauna	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable, Protected		
Fauna	Aves	Callocephalon fimbriatum	Gang-gang Cockatoo	Vulnerable, Protected, Category 3 Sensitive Species	Category 3	
Fauna	Aves	Calyptorhynchus lathami	Glossy Black-Cockatoo	Vulnerable, Protected, Category 2 Sensitive Species	Category 2	
Fauna	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Vulnerable, Protected		
Fauna	Aves	Stagonopleura guttata	Diamond Firetail	Vulnerable, Protected		
Fauna	Aves	Anthochaera phrygia	Regent Honeyeater	Critically Endangered Species, Protected		Critically Endangered
Fauna	Aves	Epthianura albifrons	White-fronted Chat	Vulnerable, Protected		
Fauna	Aves	Grantiella picta	Painted Honeyeater	Vulnerable, Protected		Vulnerable
Fauna	Aves	Melithreptus gularis gularis	Black-chinned Honeyeater (eastern subspecies)	Vulnerable, Protected		
Fauna	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable, Protected		
Fauna	Aves	Pachycephala olivacea	Olive Whistler	Vulnerable, Protected		
Fauna	Aves	Melanodryas cucullata cucullata	Hooded Robin (south-eastern form)	Vulnerable, Protected		
Fauna	Aves	Petroica boodang	Scarlet Robin	Vulnerable, Protected		
Fauna	Aves	Petroica phoenicea	Flame Robin	Vulnerable, Protected		
Fauna	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable, Protected		
Fauna	Aves	Lathamus discolor	Swift Parrot	Endangered, Protected, Category 3 Sensitive Species	Category 3	Critically Endangered
Fauna	Aves	Polytelis swainsonii	Superb Parrot	Vulnerable, Protected, Category 3 Sensitive Species	Category 3	Vulnerable
Fauna	Insecta	Synemon plana	Golden Sun Moth	Endangered		Critically Endangered
Fauna	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable, Protected		Endangered
Fauna	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable, Protected		

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status
Fauna	Mammalia	Phascolarctos cinereus	Koala	Vulnerable, Protected		Vulnerable
Fauna	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Vulnerable, Protected		Vulnerable
Fauna	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Vulnerable, Protected		
Fauna	Mammalia	Myotis macropus	Southern Myotis	Vulnerable, Protected		
Fauna	Reptilia	Tympanocryptis pinguicollis	Grassland Earless Dragon	Endangered, Protected		Endangered
Fauna	Reptilia	Aprasia parapulchella	Pink-tailed Legless Lizard	Vulnerable, Protected		Vulnerable
Fauna	Reptilia	Varanus rosenbergi	Rosenberg's Goanna	Vulnerable, Protected		
Flora	Flora	Rutidosia leptorrhynchoidea	Button Wrinklewort	Endangered		Endangered
Flora	Flora	Swainsona recta	Small Purple-pea	Endangered		Endangered
Flora	Flora	Caladenia tessellata	Thick Lip Spider Orchid	Endangered, Protected, Category 2 Sensitive Species	Category 2	Vulnerable

Data does not include NSW category 1 sensitive species.

NSW BioNet: © State of NSW and Office of Environment and Heritage

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Where Lotsearch has had to georeference features from supplied addresses, a location confidence has been assigned to the data record. This indicates a confidence to the positional accuracy of the feature. Where applicable, a code is given under the field heading “LC” or “LocConf”. These codes lookup to the following location confidences:

LC Code	Location Confidence
Premise match	Georeferenced to the site location / premise or part of site
General area or suburb match	Georeferenced with the confidence of the general/approximate area
Road match	Georeferenced to the road or rail
Road intersection	Georeferenced to the road intersection
Feature is a buffered point	Feature is a buffered point
Land adjacent to geocoded site	Land adjacent to Georeferenced Site
Network of features	Georeferenced to a network of features

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Appendix C

Site visit images

Description	Photograph
Photograph 1 - 27 April 2022 Two large trees within site boundary (view towards the north east, photo from John Cory Road)	
Photograph 2 – 27 April 2022 Drainage line with small amount of water. Located external to site boundary on the eastern corner of block.	

Description	Photograph
Photograph 3 – 27 April 2022 Uncontrolled fill. Located external to north-eastern site boundary line	
Photograph 4 – 27 April 2022 Fire hydrant post. Located external to north-eastern site boundary line	

Description	Photograph
Photograph 5 - 27 April 2022 Hole with evidence of previous fencing.. Located external to north-eastern site boundary line	
Photograph 6 - 27 April 2022 Evidence of previous gravel road. Located external to northern site boundary line (view towards the south east)	

Description	Photograph
Photograph 7 - 27 April 2022 Draining line leading from drainage pond to creek. Located external to northern site boundary line (view towards the south west)	
Photograph 8 - 27 April 2022 Creek line that draining line leads into. Located north of the site (view to the north)	

Description	Photograph
Photograph 9 - 27 April 2022 Black berry bush north of the drainage pond, north of site boundary (view to the west)	
Photograph 10 - 27 April 2022 Long grass with kangaroo trails. North of the drainage pond, north of site boundary. Odour of decay (view to the west)	

Description	Photograph
Photograph 11 - 27 April 2022 Drainage pond, north of site boundary. No slip observed on the water (view to the east)	 A landscape photograph showing a small, calm drainage pond nestled within a field of tall, golden-brown grass and reeds. In the background, a line of trees and distant hills are visible under a heavy, overcast sky. The view is oriented towards the east.
Photograph 12 - 27 April 2022 Post and man-hole north west corner of of site south west of drainage pond. (view to the north west)	 A photograph of a grassy field with a wire fence running across the middle ground. A single white post is visible in the foreground. The background features rolling hills and scattered trees under a cloudy sky. The view is oriented towards the north west.

Description	Photograph
Photograph 13 - 27 April 2022 Blackberries clump, with view of photograph 12.	
Photograph 14 - 27 April 2022 Fence line blocking access to the western edge of site. (view to the west)	

Description	Photograph
Photograph 15 - 27 April 2022 Blackberries clump. Location at the north west of site approximately 10m from fence line running west (view facing north west)	
Photograph 16 - 27 April 2022 Plastic debris observed on the ground, ~10m from south west boundary line	

Description	Photograph
Photograph 17 - 27 April 2022 Uncontrolled fill, west of south of site, north east of large tree next to gravelled area (view facing north)	
Photograph 18 - 27 April 2022 Manhole ~ 10m from southwestern site boundary, north west of gravelled area (view to the south east)	

Description	Photograph
Photograph 18 - 27 April 2022 More recent stockpile, south west of site, west of large tree and gravel area (View to the north)	
Photograph 19 - 27 April 2022 Graveled turn around area, patch of bitumen in the middle (view facing south)	

Description	Photograph
Photograph 20 - 27 April 2022 Recycling road, offsite (view to the southwest).	
Photograph 21 - 27 April 2022 Recycling Road, offsite (view to the northwest)	

Description	Photograph
Photograph 21 - 27 April 2022 Recycling Road, offsite (view to the south)	
Photograph 22 - 27 April 2022 Truck tyres (2) in south section of site, north of large tree and graveled area (view to the northwest)	

Description	Photograph
Photograph 23 - 27 April 2022 Dirt road leading up southern boundary to enclosed area to the east (view to the north)	 A photograph showing a dirt road leading up a grassy slope. In the background, a person in an orange shirt is visible near a yellow container. The view is towards the north.
Photograph 23 - 27 April 2022 Fenced area to the south east of site. Double door gate and security tower. (view to the north east)	 A photograph showing a fenced area with a double door gate and a security tower. The area is filled with parked cars. The view is towards the north east.

Description	Photograph
Photograph 24 - 27 April 2022 Spot of no growth located ~20 m west of fenced area	 This photograph shows a field of tall, dry, yellowish-brown grass. In the center, there is a patch of bare, brownish ground. A white plastic bag is lying on this patch. The background shows a line of trees and a distant hill under a clear sky.
Photograph 25 - 27 April 2022 Spot of low vegetation and rubble / rubbish on the ground, ~20 m west of fenced area (view to the north)	 This photograph shows a wide view of a field with low, green and yellowish vegetation. In the background, there is a large, dark tree on the left, a line of smaller trees in the center, and a distant hill under a cloudy sky.

Description	Photograph
Photograph 25 - 27 April 2022 North corner of fenced area (view to the east)	
Photograph 25 - 27 April 2022 Broken pipe and steaks leading north west of site. (view to the north west)	

Description	Photograph
Photograph 25 - 27 April 2022 Boulders located to the north of fenced area (view to the west)	
Photograph 26 - 27 April 2022 Fenced area gate (one of two) off John Cory Road (view to the west)	

Description	Photograph
Photograph 27 - 27 April 2022 John Cory Road (view to the south west)	

Appendix D

EPA letter

Lotsearch Support

From: Heckenberg, Mark <Mark.Heckenberg@act.gov.au> on behalf of Contaminated Sites <ContaminatedSites@act.gov.au>
Sent: Tuesday, 5 April 2022 6:54 AM
To: Lotsearch Support
Subject: RE: Contaminated Land Search - 5/26 Hume

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Harley

OFFICIAL

Dear Mr Douglas

RE: CONTAMINATED LAND SEARCH

Thank you for your search form request of 30/03/2022 enquiring about:

Block 5 Section 26 Hume Jerrabomberra

Records held by the Environment Protection Authority (EPA) for the above block(s) indicate the following:

The block is recorded on the EPA's contaminated sites management database and geographic information system.

Historic aerial photographs indicate the site may have been used as a materials recycling facility with recycled material treated and stored at the site.

EPA records also indicate that the site is adjacent to the Mugga Lane Landfill located at Block 2114 Jerrabomberra.

The EPA Contaminated Sites Environment Protection Policy 2017 lists waste storage, treatment or disposal and landfills as activities associated with land contamination which may present a risk to human health or the environment.

Under the precautionary principal all blocks undertaking or adjacent to sites undertaking potentially land contaminating activities are identified and persons making enquiries are made aware of potential for impacts due to the ability of contaminants to migrate through the environment.

Other potentially contaminating activities may have also been undertaken at the site associated with past and current uses

The EPA has not issued any orders of assessment or remediation under sections 91C (1) or 91D (1) respectively, environment protection orders under sections 125 (2) or (3), requested an audit under section 76 (2) or received an audit notification under section 76A (1) of the *Environment Protection Act 1997* (the Act) over the site and as a result the site is not recorded on the Register of contaminated sites under section 21A of the Act.

The information detailed above only relates to records held by the EPA and may not represent the actual condition of the site.

At present the EPA has no information on contamination of the above block(s) other than as detailed above. However, this does not absolutely rule out the possibility of contamination and should not be interpreted as a warranty that there is no contamination.

I appreciate that this does not absolutely rule out the existence of contamination of the soils. If you or your clients wish to be completely sure you, or they, should arrange to conduct independent tests.

Yours sincerely

Mark Heckenberg | Assistant Director, Contaminated Sites

Email: mark.heckenberg@act.gov.au

Office of the Environment Protection Authority | Chief Minister Treasury and Economic Development Directorate | ACT Government

480 Northbourne Avenue, Dickson ACT 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

From: smartforms@act.gov.au <smartforms@act.gov.au>

Sent: Wednesday, 30 March 2022 1:29 PM

To: Contaminated Sites <ContaminatedSites@act.gov.au>

Subject: Contaminated Land Search - Application, 5P9MRQ, Harley Douglas [SEC=UNCLASSIFIED, DLM=Sensitive: Personal]

Contaminated Land Search - Application

Form data summary

Customer details Harley Douglas

Reference code 5P9MRQ

For issues or questions relating to SmartForms please contact the Payment Services Integration Team on *5 4607 or email smartforms.admin@act.gov.au.

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